

Introduction



Padmashree Dr. Vithalrao Vikhe Patil



Padmabhushan Dr. Balasaheb Vikhe Patil



Shri Radhakrishna Vikhe Patil



Ms. Susmita R. Vikhe Patil

Pravara Rural Education Society (PRES) as a part of it's endeavor to impart quality training in all fields of Education has joined hands with "Navratna" public sector enterprise Hindustan Aeronautics Limited (HAL) to impart training in the field of Aviation.

Pravara Rural Education Society established in July, 1964 had twin objectives of providing high class education system comparable to the best in any urban area and empowerment of women through need based education. Under the vigilant eyes of Padmashri Dr. Vithalrao Vikhe Patil, Pravara Rural Education Society started its rapid growth and began to play a key role to meet the diversified educational needs of people of Maharashtra. Today Pravara Rural Education Society has over 75,000 students under its umbrella.

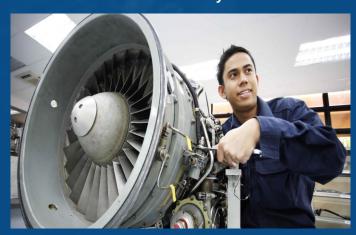
The Society is registered under:
The Societies Registration Act XXI of 1860
The Bombay Public Trusts Act 1950

Hindustan Aeronautics Limited (HAL) is a "Navratna" public sector enterprise engaged in the design development, manufacturing, maintenance and overhaul of fighter aircraft since 1940. Today, HAL has 19 Production Units and 10 Research and Design Centres in 7

locations in India. The Company has an impressive product track record - 12 types of aircraft manufactured with in-house R & D and 14 types produced under license. HAL has manufactured over 3550 aircraft, 3600 engines and overhauled over 8150 aircraft and 27300 engines.

Hindustan Aeronautics Limited (HAL) as part of its Corporate Social Responsibility (CSR) and Pravara Rural Education Society (PRES) as part of its aim to impart quality training in all the fields of education have signed an MOU to jointly impart training in the field of Aviation.

Maintenance of Cessna -152
Aircraft by Students



Chairman's Desk

Members of the Joint Management Board:

Mr. S. J. Bhole GM (AURDC)HAL

Mr. Jatinder Pal Kaur Member, DGM (Human Resource) (HAL)

Mr. Mahesh Burewar Member. DGM (Finance) (HAL)

Ms. Susmita
Radhakrishna Vikhe Patil
Member Secretary,
Director, HAL-Pravara Aviation
Institute

Mr. C. R. Mishra Member, Training Manager (HAL-Pravara Aviation Institute) Dear Students.

Establishing an Institute for undertaking education and training programmes in Aviation, especially in the western region of India has been a coveted dream. Civil aviation has seen a phenomenal growth worldwide in the recent past and India is no exception. With the opening up of economy and globalisation, civil aviation in India is bound to see further growth in the years to come, which emphasizes the need for having a quality Aviation Institute in this part of India.

Hindustan Aeronautics Limited, being one of the pioneering public enterprises in India owes the responsibility of providing the opportunity to vast number of enthusiastic and energetic students to take up career in aviation related fields viz. Commercial P

Hindustan Aeronautics Limited in association with Pravara Rural Education Society will be able to contribute to this noble cause and be instrumental in fulfilling the dreams of aspiring students.

My best Wishes,

Mr. S. J. Bhole



<u>VISION</u>

Empower the youth to face the challenges of the aviation industry, thereby fulfil the needs of commercial aviation in India.

MISSION

Train the students by imparting training in a professional manner by utilising world class expertise available in the market, thereby ensure a rewarding career.

About HPAL

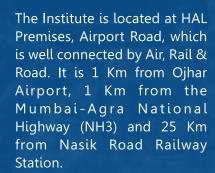
HAL - Pravara Aviation Institute (HPAI) is established at Ojhar, Nasik (Maharashtra). HPAI is approved by the Directorate general of Civil Aviation (DGCA), Government of India and affiliated to the University of Mumbai. HPAI has vowed to inculcate the significance of Quality Assurance Concept in the minds of students by thoroughly adhering to the laid down procedures of aircraft maintenance, so that the safety of aircraft, property & passengers are not jeopardised. The Institute is located TTC (Technical Training Complex) of HAL Premises, Airport Road, Ojhar, Nasik.

Courses Offered -

- > Aircraft Maintenance Engineering (CAR-147 Basic)
 - a. Avionics Stream (B2)
 - b. Mechanical Stream (B1.1)
- > B.Sc. Aeronautics
 - a. Avionics Stream
 - b. Mechanical Stream

HPAI complies with all the DGCA requirements for imparting training in Avionics (B2) and Mechanical stream(B1.1). Apart from inhouse Practical Training facilities are also extended by HAL Nashik Division, AIESL Mumbai & Nagpur, Go Air Nagpur base for undergoing the Practical training as per DGCA requirements.

Newly Established Engine Shop and Airframe Shop, complete with R-11-300 Jet engine and all major Airframe components. Well furnished, adequately equipped, well lighted and well ventilated labs have been established. For basic training purposes, apart from outsource practical training at AIESL.



Fully equipped, air conditioned and network ready multimedia learning center is available for the students.





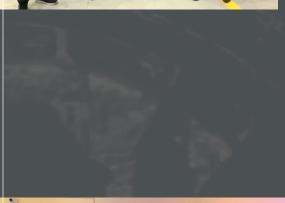






Background Information -

(AME & B.Sc. Aeronautics)



Aircraft Maintenance Engineering (AME)

HPAI provides 03 years of aircraft maintenance engineering duly approved by the DGCA Gov. of India under CAR 147 Basic and having two stream.

- 1. Mechanical (B1.1)
- 2. Avionics (B2)

To become an aircraft maintenance engineer one has to undergo three years training program and a license has to be obtained from the DGCA to certify the civil aircraft. During the entire course curriculum one has to clear all the modules conducted by the DGCA apart from 06 semester exams conducted by the institute, followed by a type training from an airlines/MRO/Manufacturer and clear theory, practical and oral exam under DGCA, thereby entitle him to get a license on a specific aircraft. This license is valid throughout the world since it comes under ICAO (International Civil Aviation Organization) HPAI as a DGCA approved institute will provide theoretical and practical training to cover all the modules as per the allotment of the different category (B1.1 and B2) to the individual. The practical training will be given in three phases

A. In House (Institute)

B. HAL (which engaged itself for manufacturing of military aircraft) and

C. Outsource - Minimum 30% of total practical training will be given on live aircraft which has to be outsource for which the institute is having an agreement with AI ESL Mumbai and Nagpur base to cover the outsources practical as per the mutual agreement. Apart from this, It is the only institute which has tied up with Hindustan Aeronautics Limited (HAL), Nasik Division to provide the basic practical training to the students of HPAI and exposing a big engineering environment in the field of aviation.



B. Sc. Aeronautics

The institute is affiliated to University of Mumbai (UoM) for B.Sc aeronautics programs. Which is a dual program with aircraft maintenance engineering. The syllabus of both the courses is almost identical so as to avoid stress while undergoing this course. This course goes parallel along with the AME and splits into 06 semester (03 Years). Up to 04 semesters our institute conducts the semester exam and last two semesters is conducted by the UoM.

While opting this course one is having the advantages of going for higher study like MS in Aerospace Engineering in India or abroad which will entitle an individual to go in a research field thereby making him entitle to join in different aviation sector like ISRO, DRDO, HAL, NAL, TATA Advance system etc. Fortunately few of our students in every batch prefer to undergo the masters abroad. Apart from this one can also appear in competitive exams like UPSC, MPSC, AFCAT, CDS etc. In addition to that one can join any airlines administrative department after completion of MBA in Aviation.



AIRCRAFT MAINTENANCE ENGINEERING

AVIONICS STREAM (B2) - 60 seats MECHANICAL STREAM (B1.1) - 60 seats

B. Sc. AERONAUTICS

- Avionics Stream
- Mechanical Stream

Eligibility Criteria



ELIGIBILITY

- > 10+2 Science (PCM) / Equivalent pass with aggregate of 50% marks.
- > Three years Engineering Diploma in Mechanical, Electrical, Electronic & Aeronautical.

Course Timeline:

The duration of Aircraft Maintenance Engineering (AME)/B.Sc. Aeronautics course is of Three years split into six equal semesters.

- The course consists of Theoretical and practical training.
- For AME all semester will be conducted in the institute as well as MRO facility which include Theoretical and Practical training and major of the practical's will be taken care of by HAL, Nashik Division, AIESL-Mumbai & Nagpur along with various reputed Airlines / MRO'S, whereas for B.Sc. Aeronautics all the Six semester will be conducted within the institute by the university
- → The students are trained during the course in the institute to obtain AME certificate from DGCA & B.Sc. Aeronautics degree from the University of Mumbai.

Practical Training will be carried out at various reputed Airlines /MRO's.

➤ Our exclusive tie-up with HAL, Nashik, AIESL-Mumbai & Nagpur. Operating heavy aircraft helps students to acquire valuable knowledge pertaining to mechanical (air frame & Engine) & avionics electrical, instruments, radio and related maintenance. Also students are expected to acquire continuous practical experience on the maintenance aspects of aircraft covering maintenance job. The Student is expected to acquire himself with all types of literature, diagrams and electrical circuits and all mechanical systems in addition to the work on aircraft.

Examination Procedure

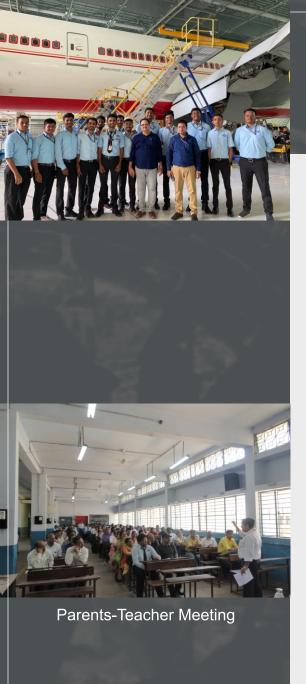
- > On completion of each semester the candidate shall be subjected to the Modular Semester Examination . To appear for the modular examination , he/she should have at least 90 % of attendance.
- > To be declared successful in the semester /course the students must obtain a minimum of 75% marks in each modular paper. The Institute shall issue to the students after the successful in the semester examination with a mark sheet the same shall be reflected in their personal progress records.

Students doing Practical on Cessna-152 Aircraft.









Job Opportunities

The demand for trained and approved aviation Professionals is increasing day by day in the world of aviation industry . A career in the aviation industry is well-paid, rewarding and challenging and assures a promising and bright future. Candidate passing AME & B.Sc Aeronautics examinations will be at an advantageous position as this qualification broadens the scope of employment in the aviation industry. Candidates successfully completing the course may get employed with:

- Govt. organization Air India, Alliance Air, Airport authority of India & DGCA, etc.
- Private Schedule organization Air Asia, IndiGo Airlines, Vistara, Spicejet Airlines, Akasa Air etc.
- Private non Schedule various Maintenance Repair and Overhaul organization, GMR, Indamer, Taal, Air Works etc.

OUR ACHIEVEMENTS











HAL-PRAVARA AVIATION INSTITUTE
The only institute in essection with
HINDUSTAN AERONAUTICAS LIMITED (HAL)
PRIVATE TRAINING PRIVATE ARISE, Unclean August a WICE)
APPROVED ST D.C.A. FOOTOF SHORE PRIVATE ARISE, Unclean August a WICE)
International & Domestic Airlines

Maintenance.Repairs & Overhaul Organizations

Technical Publications Services and Pyt.Ltd

ARISE Companies

International & Domestic Airlines

Maintenance.Repairs & Overhaul Organizations

Technical Publications Services and Pyt.Ltd

ARISE Companies

ARISE CONTROLLED

Fee Structure

Sr. No.	Particulars	Amount	Remarks
1	Prospectus	500/-	
П	Admission Fee	20,000/- (Non-Refundable)	Onetime only.
Ш	Books Fee	15,000/-	
IV	Uniform Fee	07,000/-	
V	Tuition Fees*		
	- A.M.E. + B. Sc. Aeronautics	75,000/-	Per Semester
	- Practical Training Fee	20,000/-	

Note: -The candidate has to pay additional charges for accommodation and fooding as actual during Practical Training at MRO facility.

Additional Fees:

- > Hostel & Mess Fees of Rs. 33, 000/- Per semester (Subject to Revision) will be applicable only for students availing hostel & Mess facility
- > Caution Money Deposit Rs. 5,000/- will be refundable after course completion. If it is charge at the time of admission.
- > **Bus Fee** Student availing bus facility will have to pay bus fees in addition to tuition fees.

Mode of Payment

> Remittance of fee/deposit should be made either by Cheque/Demand Draft drawn in favour of **HAL**—**Pravara Aviation Institute**, payable at Ojhar.

Or

Payment can also be made through NEFT/Transfer on the below account details-

Account Name - HAL-Pravara Aviation Institute

Account No. - 30283051287

Bank - State Bank of India.

Branch - Oihar.

IFSC Code: - SBIN0001196.

- > Remittance of the fee by any other means is not accepted.
- > Fee once deposited will not be refunded under any circumstances.
- > The HPAI Management reserves right to accept / reject any application without assigning any reason. Any disputes shall be subject to the jurisdiction of Civil Court in Nashik.

Refund policy

On cancellation of admission, the course fees paid will be refunded in accordance with the policy given below.

- > Admission Fee-Not refundable under any circumstances after the admission is offered.
- > Tuition Fee- Till the course commencement date: 90% refund. From course commencement till $10^{\rm th}$ Day: 75% refund. No refund thereafter.
- > The above policy is strictly followed and no negotiation is encouraged.
- > Any student leaving the institute midway has to pay his/her entire fee for the whole academic year. If a student leaves the hostel before completion of two semester, he shall be liable to pay the hostel fee for two semesters. No refund, except caution deposit, shall be admissible.



Parents - Teachers Meeting



Student Felicitation by GM(AURDCHAL)

Important

- > The Management reserves all the right of admission to any candidate to the Institute and Hostel. In matter of admission, training and discipline the decision of the Management shall be final and legally binding on the Student and Parents.
- > The Fees may be amended as and when deemed necessary by the Institute.



A seminar by Mr.A.K.ROY GM (Quality) HAL Aircraft Division, Nashik.





Hostel Facilities & Rules

Additional Facilities:

- > 24 x 7 Hospital facility
- > Indoor & Outdoor Game courts
- > Wi-Fi Campus

Prize Distribution on Sport Meet



- > Separate Hostel facility for Boys and Girls is available within the Campus. Seats in all the hostels are allotted on 'First Come First Serve' basis.
- > To book the hostel student has to pay non refundable Rs. 10,000/- by DD in favour of HAL-Pravara Aviation Institute payable at Ojhar, Nasik. DD must be attached to the duly filled in application form for admission to the course. If the student books the Hostel but does not join the hostel the booking charges of Rs. 10,000/- will not be refunded.
- > If the student books the hostel and pays Rs. 10,000/- & subsequently joins and continues to stay in the hostel, the amount paid as booking charges (Rs. 10,000/-) will be adjusted in the hostel fee.
- > If the student books for the seat in the hostel but does not join on the prescribed date, he will lose his claim on the hostel seat and his seat may be allotted to the student in the waiting list, if any, in such case the booking amount of Rs. 10,000/- will not be refunded.
- > Both Girls and Boys shall pay the Hostel Deposit of Rs. 5,000/- at the time of admission to the Hostel. The deposit will be returned after course completion adjusting for any recoveries due to damage caused by the students.
- > Hostel fees are to be paid in full at the time of admission. Hostel and Mess charges are valid for one academic session only.
- > For those staying in the hostel, dining in the Mess is compulsory.
- > The Fees may be amended as & when deemed necessary by the Institute.
- > Hostel Fee: once the hostel is allotted and student joins the hostel, there will be no refund of hostel charges if the student leaves the hostel. Hostel Accommodation fees shall be paid in full at the time of joining hostel. No refund will be given in case he leaves the hostel.





Selection & Admission Procedure



Selection Procedure:

Selection of the students is based on the Entrance Examination / Interview conducted by the Institute along with 10+2 (PCM/Diploma) marks.

Admission Procedure:

- > The students shall fill the application and submit the form along with the requisite fee in the form of Demand Draft/Cheques/online in case of online payment the copy of receipt shouldbe along with application form. Duly filled form along with Admission fee and the following documents has to be submitted to the institute.
- > The candidates can also send the duly filled form along with the requisite fee (Cheque/Demand Draft only) by post/courier to the institute.
- > The form can be downloaded from the website and a duly filled form can be sent back to the institute through mail on info@hpai.in. The requisite fee can be paid by Bank Transfer or NEFT.

Documents Required-

- > Application form completely feel application form
- > 10 passport size photographs and 15 stamp size photographs.
- > Two sets of attested photo copies of SSC, 10+2 mark sheets/ Diploma mark sheets, as applicable.
- > Passing certificate of SSC, 10+2/ Diploma, as applicable.
- > Affidavit duly executed and notarized.
- > Transfer certificate (School Leaving Certificate).
- > Board Verification Certificate of 10th/12th/ Diploma.
- Admission form will not be accepted without the documents and the requisite fee
- > Admission confirmation will be sent to the candidate by post/e-mail/ by hand (if the candidate or his representative personally visits HPAI).
- > On receiving admission confirmation student shall pay the applicable fee for 01st semester as per fee structure.
- > In case admission is not granted due to avoidable reasons the fee will be refunded after deducting processing charges.

> After completion of 04th semester a C of R certificate will be awarded to the successful student for AME & For B.Sc. Aeronautics the degree will be awarded by the university.

Promotion Rules of Semester Pattern

- > The Student who fails to get the minimum pass marks in a Semester Exam will be subjected to revision class and will be allowed for a "ReTest" to clear the failed subject/s.
- > A candidate has to clear all the modules before he/she is declared successful and being issued with C of R by the institute.









Infrastructure

In general the facilities available in the hostel or in the vicinity are.

- > Well furnished Rooms
- > Mess within campus
- > Indoor & outdoor games
- > Wi-Fi campus
- > Hot water facility

Medical Facilities:

A panel of reputed medical practitioners are in HAL Hospital available for immediate medical attention. If required, in-patient hospita-lization facility is also available. Students can utilize these facilities at their own expense.





Library:

Institute library is well – stocked including Text Books, Reference Books, Notes, solved/unsolved Question papers, technical News/ Bulletins, Magazines, Journals etc. Books on self improvement like, personality Development, General knowledge, Competitive Examination etc. are also available in the library keeping in pace with the changing learning environment, educational CDs are also available. Each student is provided with a library card for issue of books for duration of 3 days per issue. For the benefit of students and staff, the institute has obtained membership with the library of HAL, Nasik division.

E-Learning Centre:

HPAI has designed an E-Learning Centre for Advanced Computing and it is fully equipped with 30 latest configuration PCs, printers, scanners and Multimedia devices while high-speed device are providing gainful Networking.

Avionics Lab/Electrical Lab:

Well Equipped lab facilities are available in HPAI to impart basic training to the student apart from the facility available inside the HAL factory premises

Workshop:

The workshop is equipped with latest equipments, such as lathe machines, shapers, drilling machine, power saws, milling machines, welding machines, carpentry shop, fitting shop and sheet metal working etc. The students get hands-on experience by handling these machines and conducting experiments. In-house workshop facility would be quite useful for workshop training required for the aero-stream and mechanical stream students.

Hostel Facility:

Catering to the needs of outstation students the institute offers hostel accommodation with efficient mess facility. Separate hostel facility is available for boys and girls within the campus.

Practical Training Facility



Events & Activities

The state of the s

Foundation Day

The institute was founded on 20th July 2009. As such 20th July is celebrated every year as the Foundation day of HPAI with much enthusiasm. This year the celebration was held at the Institute itself in the presence of Ms. Susmita R. Vikhe Patil, Director, HPAI.

Teachers Day

Teachers day has been celebrated by the institute on 05th September, by paying tribute to Dr. S Radhkrishnan, a great teacher and philosopher. The students honored the faculty and conducted various sports activities/competitions for the faculty members.

Ganesh Festival

Ganesh Festival has been celebrated with a huge enthusiasm. Lord Ganesha's idol is worshiped at the institute for 05 days with holistic rituals. The immersion procession on the 5th Day is marked by a Cultural event by the students and faculty participating and thus reflecting harmony among all religions, caste & creed in our institute-HPAI.

National Celebrations

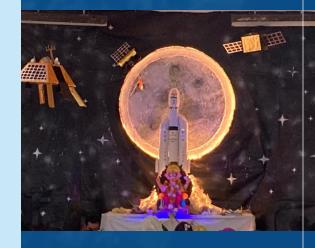
The institute celebrated Independence Day and Republic Day at the Institute campus with solemnity by unfurling the National Flag & inspiring speeches by the Dignitaries and participants. Ms. Susmita R. Vikhe Patil - Director HPAI was the Chief Guest for Independence Day while Mr. C. R. Mishra - Principal HPAI was the Chief Guest on the Republic Day.

Sports Meet

Annual sports has been conducted on 3rd week of January at Institute Ground and HAL Sports Stadium. Students and Staff participated with great enthusiasm and winners are awarded Shields, Trophies, Certificates and Medals.

At HPAI, We believe in overall developement of the students. Our Events help us to motivate the students to give out the best in their field.

We organize all kinds of Sport activities & Events like Ganesh Festival, Teachers Day. Whereas student having active participation in Independence Day, Republic Day program. All events are celebrated in the most enthusiastic way.









Rules of Conduct

- 1. Student admitted to the institute will be governed by the rules & regulations of the institute as laid down from time to time.
- 2. Each student will have to obtain an identity card duly signed by the Director of the institute at the beginning of each year. The identity card to be displayed on person & must be presented whenever demanded by any faculty or staff of the institute.
- 3. Students shall be punctual and regular in attendance.
- 4. Students shall wear uniform as specified. Students will not be permitted in the institute premises without uniform.
- 5. Students shall not indulge in any anti national, anti government, or anti social activity, which will disturb the peace and harmony of the society. If a student is found to be involved in such activities, he/she will be immediately expelled from the institute under intimation to his parents and police department.
- 6. All important Instructions, notice will be displayed on the notice board of the institute, which should be read by the students. Failure to read notice will not be accepted as an excuse for non-compliance of instructions.
- 7. Any change of address/telephone/mobile numbers, must be informed in writing to the institute office immediately.
- 8. In all matters pertaining to the institute and student, the decision of the Director shall be final and shall be binding on the students and parents.
- 9. If a student remain absent without prior permission, fine will be levied on him/her at the discretion of the Director.
- 10. Student is liable to pay all the dues prevalent at the time of his applying for normal withdrawal from the institute, which is mandatory for final cancellation.
- 11. The original certificates/documents will remain with the institute till completion of the course or till the withdrawal formalities have been completed.
- 12. Management holds the right to amend the rule form time to time and the same will be applicable to all the students. Ignorance of the rules does not absolve the students from their liabilities.
- 13. Fees must be paid by the due date mentioned in the prospectus and as intimated through notice on Notice board. It is the responsibility of the student/parents to ensure that fees are paid in time.
- 14. Use of mobile phone is not permitted in the Institute and HAL Factory Premises.
- 15. Each student shall be responsible for safeguarding his/her personal belongings/valuables in the hostel and in the institute's campus.
- 16. Student shall behave in an orderly, disciplined and decent manner in the institute campus, hostel premises & public places.
- 17. Hostel allotment will be done by the institute on "First Come First Serve" basis. Requests for shifting from one hostel to another or form one room to other will not be entertained under any circumstance.
- 18. Ragging in the hostel or in the campus/off the campus in any form is strictly prohibited. Offenders will be rusticated and handed over to law and order enforcement authorities.
- 19. Drinking alcoholic beverages, smoking, chewing of tobacco, gutkha and other such items are strictly prohibited in the institute, hostel premises and in the campus.
- 20. Student shall be punctual and regular in attendance, separately in theory, practical, and submission of teamwork. Project reports and maintain 90% attendance, failing which he/she will not be allowed to appear in the semester examination.
- 21. Any student leaving the institute midway has to pay his/her entire fee for the whole academic year. If a student leaves the hostel before completion of two semester, he shall be liable to pay the hostel fee for two semesters. No refund, except caution deposit, shall be admissible.
- 22. All disputes are subject to Nasik jurisdiction.
- 23. Admission will be given as per the rules and regulations set by the management. Decision of the management about the course and discipline will be final and applicable to each student.
- 24. Students & parents/guardians will be bounded by the terms & conditions laid down by the management from time to time.
- 25. Hostel rules are available separately with the Warden. Students are expected to read them carefully and follow the rules. Students violating the rules will be punished. Decision of the Director will be final and binding on the students as well as parents/guardians.
- 26. All the students should follow the Grooming Standard as set by the Institute.

HPAI Advantage



Industry Association



Only Aviation Institute to be associated with industry leader HAL

Teaching Methodology

Fully equipped multi-media classroom to bring abstract and difficult curriculum concepts to life inside classrooms



HPAI Faculty

Experienced faculty with rich industry and academic excellence from HAL



Updated and fully equiped Library with digital books, CDs/DVDs and 24x7 Internet facilities.



Actual Environment Practical Training

Practical Training at various MRO's facility and Airlines like Air India, Go Air, Indamar in each semester.

Extra-Curricular Activities

For well rounded development of personality











Institutions

Pravara Group Educational Initiatives

















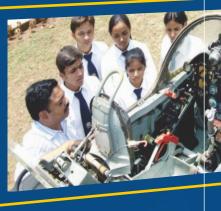




Life @ HPAI







HPA1 advantage

- > 360° Learning
- > Training Partner: HAL
- > Industry Associations
 - AIESL Mumbai & Nagpur
- > Result Oriented
- > Modern Infrastructure
- > Experienced Faculty
- > Hostel Facility
- > Preparation of Modular Exam.
- > Scholarship*
- > Bank Loan Facility.*











HAL-PRAVARA AVIATION INSTITUTE

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