



INSTITUTE OF AERONAUTICAL ENGINEERING (AUTONOMOUS)

Dundigal - 500 043, Hyderabad, Telangana

ANNEXURE-49

Common and Recreational Facilities

Recreational Facilities

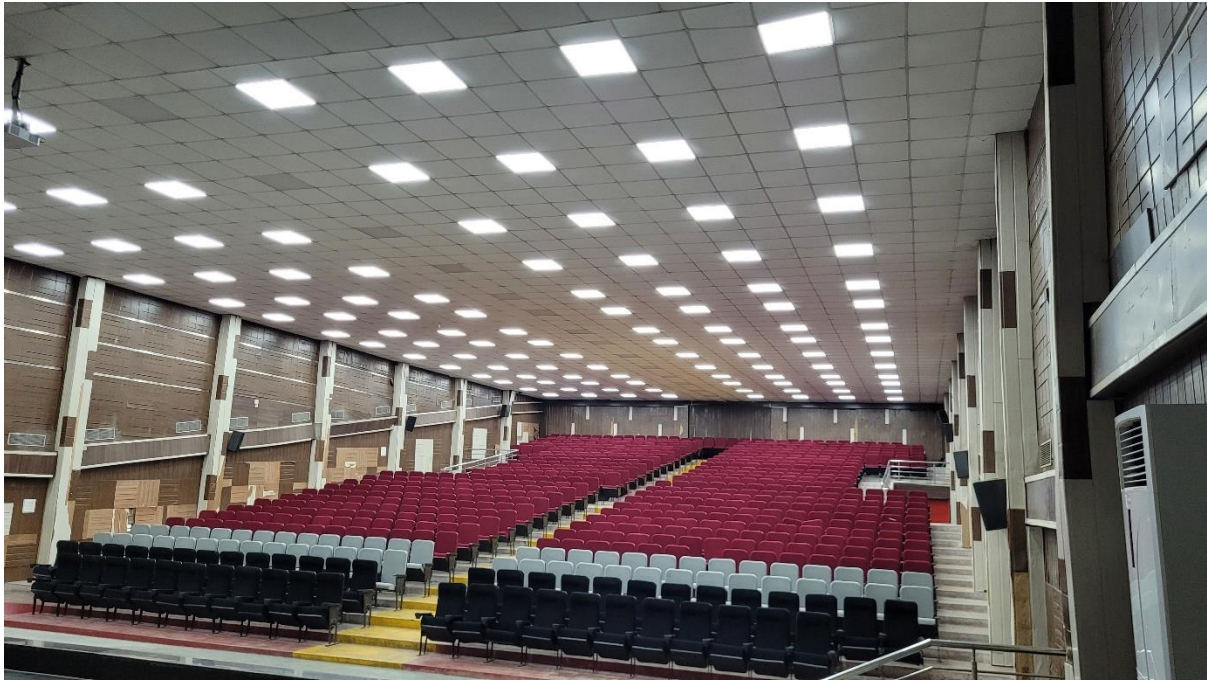
Institute of Aeronautical Engineering has a well-designed auditorium that serves as an important venue for academic, cultural, and recreational activities. The auditorium is spacious and equipped with modern facilities, making it suitable for hosting seminars, conferences, workshops, guest lectures, and college events.

The auditorium is designed with comfortable seating arrangements and good acoustics to ensure clear sound and visibility for all participants. It is equipped with advanced audio-visual systems such as microphones, projectors, large display screens, and sound systems, which support effective presentations and interactive sessions. The institute regularly uses the auditorium for technical symposiums, orientation programs, placement training sessions, and guest lectures by industry experts and academicians. These events help students gain knowledge beyond the classroom and interact with professionals from different fields. In addition to academic programs, the auditorium is also used for cultural activities, annual celebrations, competitions, and student club events. It provides a platform for students to showcase their talents in music, dance, drama, and other creative performances.

Overall, the auditorium at the institute plays a significant role in enhancing the academic and cultural life of students by providing a well-equipped space for learning, interaction, and entertainment.



Auditorium for recreation at IARE



Auditorium for recreation at IARE

COMMON FACILITIES

Canteen:

Institute of Aeronautical Engineering has a well-maintained **canteen** that provides students and staff with a comfortable place to relax and enjoy meals during their breaks. The canteen serves as an important recreational space where students can refresh themselves between academic sessions.

The canteen offers a **variety of hygienic and nutritious food items** including snacks, beverages, and full meals at reasonable prices. Both vegetarian and non-vegetarian options are usually available, catering to the diverse food preferences of students and staff. The food is prepared and served under proper hygiene and safety standards.

The seating area in the canteen is spacious and designed to accommodate many students at a time. It provides a friendly and lively environment where students can interact with friends, discuss academic topics, and spend their leisure time.

In addition to providing food services, the canteen also acts as a **social gathering place** for students. Many informal discussions, group studies, and relaxation moments happen here, making it an important part of campus life.

Overall, the canteen contributes to the well-being of students by offering convenient, affordable, and hygienic food along with a comfortable place for relaxation and social interaction within the campus.



Canteen at IARE

Drinking RO Water

Institute of Aeronautical Engineering provides **safe and purified drinking water** facilities for students, staff, and visitors across the campus. The institute has installed **Reverse Osmosis (RO) water purification systems** to ensure that the drinking water is clean, healthy, and suitable for daily consumption.

The RO water purification system removes impurities, harmful bacteria, and dissolved salts from the water, making it safe and hygienic. Regular maintenance and monitoring of these systems are carried out to ensure the quality and purity of the drinking water supplied on the campus.

Several **RO water units and water coolers** are placed at convenient locations such as academic blocks, laboratories, and common areas so that students can easily access drinking water at any time. This helps students stay hydrated during their classes and other campus activities.

The institute gives high importance to **health and hygiene**, and the provision of purified RO drinking water reflects its commitment to maintaining a healthy campus environment. By providing safe drinking water facilities, the institute ensures the well-being and comfort of everyone on the campus.



RO Water Facility at IARE

Facilities for differently abled students

Institute of Aeronautical Engineering provides several **facilities for differently abled students** to ensure equal access to education and campus services. The institute is committed to creating an inclusive and supportive environment where students with physical challenges can comfortably participate in academic and extracurricular activities.

The campus infrastructure includes **ramps and barrier-free pathways** at important locations such as academic blocks, libraries, and administrative buildings. These ramps help students who use wheelchairs or have mobility difficulties to move easily across the campus without obstacles. The institute also provides **accessible washroom facilities** designed specifically for differently abled students. These washrooms are spacious and equipped with support rails to ensure safety and convenience.

In addition, **lift facilities** are available in multi-storey academic buildings to help students reach classrooms, laboratories, and offices located on different floors. This ensures that students with mobility challenges can access all essential areas of the campus.

The institute also supports students through **academic assistance and a supportive learning environment**, enabling them to participate fully in classes, examinations, and campus activities. Faculty members and staff extend cooperation to ensure that differently abled students can pursue their education without difficulties. Overall, these facilities demonstrate the institute's commitment to providing an **inclusive and accessible campus environment** for all students.



Lift for Differently abled students



Ramps for Differently abled students

Internet

Institute of Aeronautical Engineering provides a reliable **internet facility** to support the academic and research needs of students and faculty. The campus is equipped with high-speed internet connectivity that enables students to access online learning resources, digital libraries, and academic materials. The institute provides **Wi-Fi connectivity across the campus**, including academic blocks, laboratories, library areas, and common spaces. This allows students to use laptops, tablets, and mobile devices to access the internet for educational purposes at any time during campus hours. The internet facility helps students to access **online journals, e-books, research databases, and learning platforms** that are essential for academic study and project work. It also supports the use of online tools such as virtual labs, video lectures, and learning management systems.

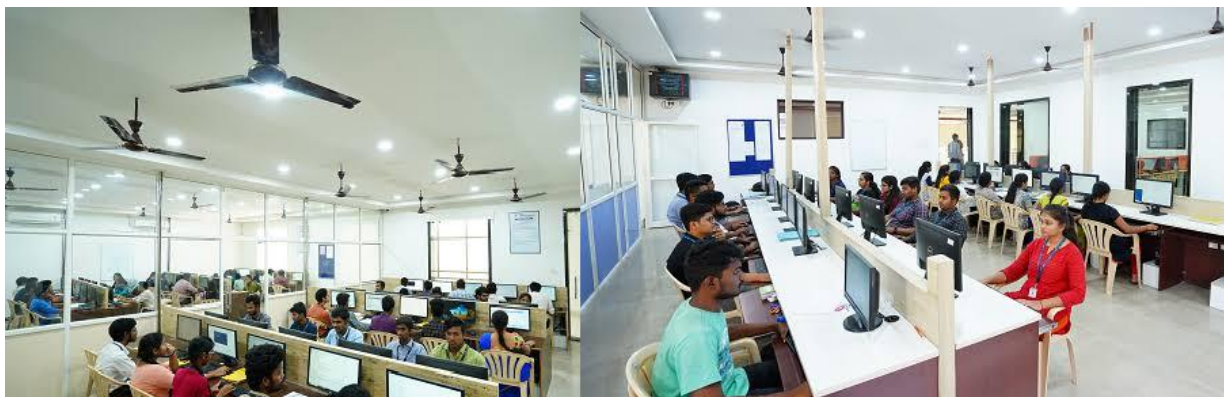
In addition, the internet network is maintained and monitored by the **IT support team** to ensure stable connectivity and secure access for students and staff. Regular maintenance and upgrades are carried out to provide uninterrupted internet services. Overall, the internet facility at the institute plays an important role in enhancing **digital learning, research activities, and communication**, helping students stay connected with modern technological advancements in education.

Institute of Aeronautical Engineering (IARE), Hyderabad, provides 24/7 internet connectivity via a (1000) Mbps fiber lease line, with widespread Wi-Fi coverage across the campus and hostel. Students and staff can access high-speed internet (100 Mbps per user) on the "IARE Wi-Fi" network using their credentials.

Internet & Computing Facilities:

- **Infrastructure:** A 1000 Mbps fiber optic line provides campus-wide connectivity.
- **Wi-Fi Access:** The campus is fully Wi-Fi enabled, including hostels.
- **Computing Terminals:** The campus hosts 1,564 computing terminals for students.
- **Speed:** Users can get up to 100 Mbps top speed per user on the 'IARE Wi-Fi'.
- **Hostel Access:** 24/7 internet and Wi-Fi are provided in the hostels.
- **ICT Infrastructure:** The institute has a dedicated audio/visual centre and Lecture Capturing System (LCS) to support online education.

IARE also provides, through its Information Technology Infrastructure Division, personal email accounts, file storage, and access to e-journals.





Internet Facility at IARE

Transport

Institute of Aeronautical Engineering (IARE), Hyderabad, operates a fleet of 36 luxury buses providing extensive transportation covering most parts of Hyderabad and Secunderabad for students and faculty. The service, which includes dedicated bus in-charges, offers reliable daily commuting to the campus in Dundigal.

Key Transport Features:

- **Bus Fleet:** 31-32 luxury buses, plus additional vans and cars for transportation.
- **Coverage:** Covers major areas in Hyderabad and Secunderabad.
- **Tracking:** A Track Your Bus facility is available to track bus locations.
- **Usage Policy:** Dedicated routes and schedules are provided; students must register for transport annually.
- **Alternative Routes:** The campus is reachable via TSRTC bus routes 230D (from Chilakalaguda) and 230X (from CBS).

Important Information:

- **Bus Charges:** Students must pay fees during registration; otherwise, they cannot use the facility.

- **Safety:** The college advises staff and students to prefer college buses and discourages personal vehicles.
- **Location:** The college is located at Dundigal, with connections to Balanagar X Roads and Exit 05 of the Outer Ring Road (ORR).



Transport Facility at IARE

Library

The IARE library in Hyderabad is a centralized, air-conditioned, and fully computerized duplex facility (approx. 55,000+ volumes, 200+ journals) serving as a hub for engineering resources. It features a 500-student seating capacity, a digital library with 20 systems for e-resources, NPTEL video lectures, DELNET, and operates from 9:00 AM to 6:00 PM (Mon-Fri).

Key features of the library include:

- **Infrastructure:** A two-floor layout—the first floor holds circulation books and periodicals, while the second floor is for reference materials and current journals.
- **Resources:** Over 56,862 volumes of books, 210+ Indian journals/magazines, and 228+ online subscriptions (IEEE, ASME).
- **Digital Library:** Equipped with 20 systems for accessing N-LIST E-resources (INFLIBNET) and NPTEL for web/video courses.

- **Library Services:** Fully automated with bar-coding for check-outs and provides photocopies/digital resources.
- **Memberships:** Member of DELNET (Developing Library Network) for inter-library loans and accessing external resources.

The library, often referred to as the **Aksha Library Information Service Portal**, is located on campus to provide comprehensive support for student learning and research.







Library Facility at IARE

Tuck Shop

The **tuck shop facility** at Institute of Aeronautical Engineering (IARE), Hyderabad, provides essential daily-use items to students and staff within the campus. It is conveniently located so that students can easily access it during breaks or after classes without leaving the college premises. The tuck shop offers a variety of stationery materials, and other small necessities required by students in their day-to-day academic life. This facility helps students quickly purchase required items without spending much time searching outside the campus. The tuck shop is maintained in a hygienic and organized manner to ensure the quality and safety of the products sold. Proper storage and cleanliness are maintained so that students can confidently purchase items from the shop.

Overall, the tuck shop facility at IARE adds convenience to campus life by meeting the small but important needs of students and staff. It supports a comfortable learning environment by ensuring that basic refreshments and supplies are readily available within the campus.



Tuckshop at IARE

ATM

The **ATM facility** at Institute of Aeronautical Engineering (IARE), Hyderabad, provides convenient banking services to students, faculty members, and staff within the campus. The presence of an ATM helps users withdraw cash quickly without the need to travel outside the college premises. The ATM is installed at an easily accessible location inside the campus so that students and employees can use it whenever necessary. This facility is especially useful for students who require cash for daily expenses such as purchasing stationery, snacks, or other essential items from the campus facilities.

The ATM facility operates throughout the day and ensures safe and secure transactions for users. Proper security measures and regular maintenance are provided to ensure smooth functioning and reliability of the service. Overall, the ATM facility at IARE enhances the convenience of campus life by providing easy access to financial services. It saves time for students and staff and supports their day-to-day financial needs without leaving the institution.



ATM facility at IARE

ICT Facility

The **ICT Studio facility** at Institute of Aeronautical Engineering (IARE), Hyderabad, is an advanced digital learning space designed to support modern teaching and learning practices. The studio enables faculty members to create high-quality digital content such as video lectures, tutorials, and online instructional materials for students. The ICT Studio is equipped with modern technology including high-definition cameras, microphones, lighting systems, smart boards, and video recording equipment. These tools help faculty record lectures clearly and professionally so that students can access the content through online learning platforms and learning management systems.

This facility supports blended learning and e-learning initiatives within the institution. Recorded lectures and educational content from the ICT Studio are useful for students who want to review lessons after class, prepare for examinations, or learn at their own pace. It also helps in conducting online classes, webinars, and virtual academic activities. The ICT Studio at IARE plays an important role in enhancing digital education by integrating technology with teaching. It encourages innovative teaching methods and helps the institution provide flexible, accessible, and technology-driven learning experiences for students.



ICT Studio - 1



ICT Studio -2

Students Club

Student clubs at Institute of Aeronautical Engineering (IARE), Hyderabad, play an important role in the overall development of students by providing opportunities beyond academics. These clubs create a platform where students can explore their interests, develop leadership qualities, and improve their communication and teamwork skills. IARE has various student clubs that focus on different areas such as technical innovation, cultural activities, literature, entrepreneurship, social service, and sports. Through these clubs, students actively participate in organizing workshops, competitions, seminars, cultural events, and technical programs. Such activities help students gain practical knowledge and build confidence.

Student clubs also encourage creativity and collaboration among students from different branches and academic years. They provide an environment where students can share ideas, work on projects, and learn from each other while enhancing their problem-solving and organizational abilities. Overall, the student clubs at IARE contribute significantly to the vibrant campus life of the institution. They help students balance academics with extracurricular activities and prepare them to become well-rounded individuals with strong leadership and interpersonal skills.



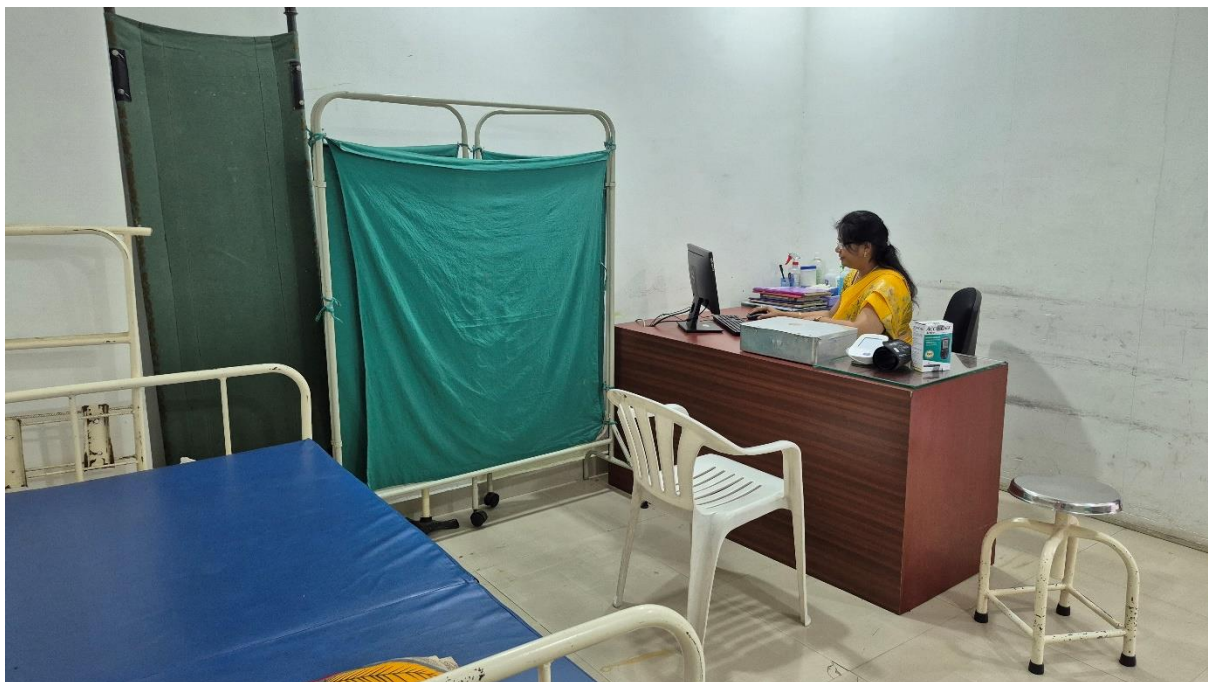
Students Club at IARE

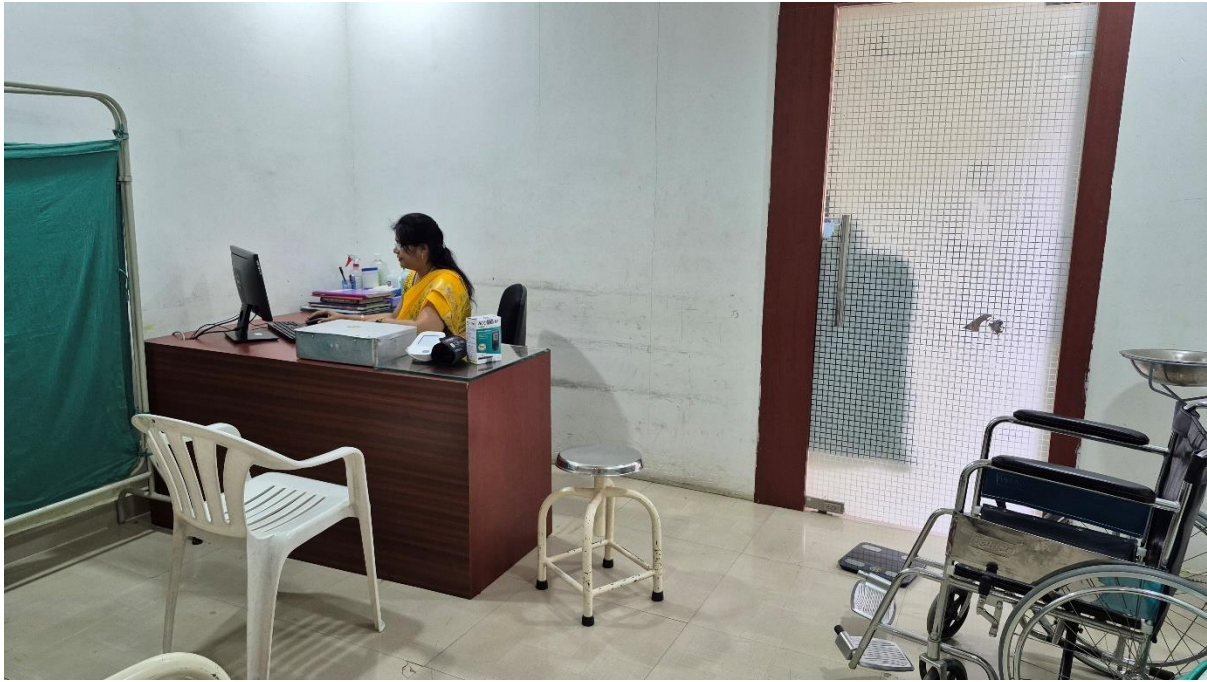
Medical Facility

The **medical facility** at Institute of Aeronautical Engineering (IARE), Hyderabad, is provided to ensure the health and well-being of students, faculty members, and staff on the campus. The institution maintains basic medical support so that immediate assistance can be given in case of minor health issues or emergencies. The medical facility includes a first-aid center equipped with essential medicines and basic medical equipment. Trained personnel are available to provide first aid and initial medical care for common health problems such as fever, minor

injuries, headaches, and other basic ailments that may occur during college hours. In addition to first-aid support, the institute also facilitates medical consultation and emergency assistance when required. If a student or staff member needs advanced medical treatment, the institute helps in referring them to nearby hospitals or medical centers for further care.

Overall, the medical facility at IARE plays an important role in maintaining a safe and healthy campus environment. It ensures that students and staff receive timely medical attention and support whenever health-related issues arise during their time on campus.





Medical Facility at IARE

Security

The **security facility** at Institute of Aeronautical Engineering (IARE), Hyderabad, ensures a safe and secure environment for students, faculty members, staff, and visitors on the campus. The institution gives high priority to maintaining discipline and safety within the college premises. The campus is monitored by trained security personnel who are stationed at the main gates and at important locations across the campus. These security guards regulate the entry and exit of vehicles and visitors, ensuring that only authorized persons are allowed inside the campus.

In addition to physical security, the institute has installed CCTV surveillance systems at various strategic points such as academic blocks, corridors, entrances, and other public areas. This continuous monitoring helps in maintaining safety and preventing any unwanted incidents on the campus. Overall, the security facility at IARE plays a vital role in providing a peaceful and protected learning environment. Through strict monitoring and proper security arrangements, the institution ensures the safety of all individuals within the campus.



Security Control Room at IARE

Sewage Treatment Plant

The **Sewage Treatment Plant (STP) facility** at Institute of Aeronautical Engineering (IARE), Hyderabad, is established to manage and treat wastewater generated within the campus. The institution has implemented this system as part of its commitment to environmental sustainability and responsible water management. The sewage treatment plant collects wastewater from various campus sources such as hostels, canteens, restrooms, and other buildings. This wastewater undergoes several treatment processes including filtration, sedimentation, and biological treatment to remove impurities and harmful substances before it

is reused or safely discharged. The treated water from the STP is reused for non-drinking purposes such as gardening, landscaping, and cleaning within the campus. This recycling process helps in conserving fresh water resources and supports eco-friendly campus management practices. Overall, the sewage treatment plant facility at IARE contributes significantly to maintaining a clean and environmentally responsible campus. By treating and reusing wastewater efficiently, the institution promotes sustainable development and environmental awareness among students and staff.



Sewage Treatment Plant at IARE