AHMEDABAD INSTITUTE OF TECHNOLOGY

(The Ashok Education Landmark Trust)
Nr. Vasantnagar Township, Gota-Ognaj Road, Ahmedabad.

Vision:

To provide quality education on emerging technologies at affordable cost to every section of society.
"Seek, Search & offer programmes those lead to symbiotic emergence of academic excellence and industrial relevance in education and research."

Mission:

"AIT emphasizes the overall development of students. It aims at not only producing good engineers but also good and worthy citizens of our society."

"It shall be the constant endeavor to meet the educational needs of the youth in the areas of professional studies and provide state of the art learning opportunities along with inculcation of values of professional commitment and uprightness."

Goals:

To cater to societal requirement of expansion of knowledge in techno managerial area and also to bridge up the gap between the industry requirement and academically qualified personal.

Message from Chairman

Education Policy declared by Government of India in 1986 and passing of A.I.C.T.E. Act in 1987 by both the houses of Parliament paved way for starting Self Financed Institutions of Technical Education in the country. In subsequent years, globalization of Trade and Industry and liberalization of economy inculcated aspirations among the parents and students to go for higher technical education for their bright future. As such, the thirst for technical education in every sphere of society went on increasing year after year. In course of time, knowledge became the source of generating the wealth and graduates of Engineering colleges became in high demand nationally and internationally where they are known as Knowledge workers.

In order to ensure that Gujarat does not lag behind other states in matter of imparting quality technical education to its youth; few highly educated and like minded persons came forward to fulfill this Herculean task by forming Charitable trust known Ashok Landmark Education Trust which created an Institution named "Ahmedabad Institute of Technology". This Institute was established with objective to provide quality Technical Education to the youth of Gujarat and to fulfill the aspirations of the students and their parents in today's knowledge based society. As such, Ahmedabad Institute of Technology was established in June 2004 under the approval of All India Council for Technical Education to fulfill technical educational needs of the students of Gujarat State. It has gained name for imparting quality technical education in the vicinity of Ahmedabad. Currently it offers Degree programmes in five branches of Engineering viz Electronics & Communication Engg, Electrical Engg., Computer Engg. Mechanical Engg. and Information Technology along with Post Graduate Programme in Management. Few more branches of Engineering and M. C, A. programme are proposed to be added to the existing list of Educational Programmes so that it can fulfill the needs and aspirations of the students while the institute becomes the hub of quality technical education in Gujarat.

Message from Principal

Dear students and Parents, It is matter of immense pleasure to welcome you all at Ahmedabad Institute Of Technology. I congratulate all the engineering entrants for securing excellent result in HSC and choosing this institute for pursuing engineering education. The students as well as parents must bear some of the very important points in mind since the academic pattern of B.E. Programme in Engineering being offered at this as per directives and rules of GTU.

AIT was established in 2004 and is a premier self-finance engineering college of Ahmedabad. The institute at present offers Five undergraduate programmes and one postgraduate programme in Management Education offering MBA degree of GTU. The institute is spread over 6.5 acres of land. It is approved by All India Council for Technical Education, New Delhi.

The institute is one of the most reputed institutes of Ahmedabad and one among the few that focuses on all round growth of the students. The institute follows excellent academic calendar offered by GTU and co-curricular and extra-curricular activities.

The institute is housed in four excellent buildings. The spacious classrooms and well-equipped laboratories with required amenities are housed in these buildings. The computerized institute library is rich with books, magazines, national and international journals.

The institute organizes seminars, workshops, conferences and a host of other co-curricular activities from time to time. State level technical students' symposium, is a unique activity that is organized every year allowing engineering students of Gujarat and to showcase their technical talents in the form of technical paper, projects and robotics competitions. The institute is a member of many reputed organizations and experts of different fields are invited to deliver talks.

Important Note about Examinations & Passing Standards:

It is important to note that in each subject, there are **Term work, Oral, Internal Test and University Examination.** Each one of these happens to be the **Passing Head** in which a student has to pass separately. In order to pass in each **Passing Head**, a student has to secure minimum 40% of marks earmarked in the **Passing Head**. For instance, in Term work, there are 25 marks earmarked so, one must obtain minimum 10 marks to pass. University rules for passing the examination are given separately in detail.

It is humbly brought to the notice of the students as well as their parents, loud and clear, that a student is required to be regular in attending class. This is bound to improve his/her performance in examination and success in automatically assured. It is therefore an appeal to the students and a request to the parents that continuous regularity of students in attending the classes/ laboratories and writing journal must be ensured which in turn will be an assurance to them of good success towards end of the examination.

I wish you all the best for your studies at Ahmedabad Institute of Technology.

Dr. J.L. Juneja.

Principal

Campus: The Institute is located over a large area of about 7 acres of land housing four spacious buildings sprawled over picturesquely in a well plannedmanner. There is plan to create more structures and buildings in view of the expansion plans envisaged in the near future with the object of introduction of new educational programmes in engineering and computer education.

Buildings: There are four buildings which house various technical departments as well as laboratories, workshops, and administrative functionary buildings. There is element of flexibility as these buildings have been added over a period of time and therefore represent a beautiful conglomeration of different streams of engineering. Department of management studies has a separate building.A.I.T. has on campus book-stall which caters to the needs of the students, faculty and the executive body of A.I.T. it also caters to all and sundry needs and requirements of students for stationeries as well as photocopy. There is huge and spacious canteen to cater to the needs of students

Academic Programmes With Intake Capacity: The Institute in its long march towards perfection has been adding courses after courses with sincere and well planned efforts of its management trustees. Given below are details of Courses offered by the Institute including the strength approved by A.I.C.T.E. along with approved In-Take.

Programme	Intake	Year of Starting
B.E. : Electronics & Communication Engineering	60	2004
B.E. : Computer Engineering	90	2004
B.E. : Mechanical Engineering	90	2004
B.E. : Electrical Engineering	60	2004
B.E. : Information Technology Engineering	60	2008
Master of Business Administration	60	2008

The courses are based on Semester system & each B.E. degree course is of 4 years duration while M.B.A. programme is of 2 years duration. The degree is awarded by the Gujarat Technological University under strict rules & regulations of Academics standards laid down.

Administrative Wing: This section caters to various functions and activities related to the running of the institute. It takes care of a students'needs in the areas other than academic right from his/her entry in the institute till his exit; enabling him to be full fledged engineer and ready to serve thesociety and contribute to the nation.

Student Section: This section looks after admission, registration, student records, help the examinination section in the conduct of sessional and universityexaminations, matters related to scholarship, concessions, issueof identity cards and certificates such as bonafide, student records, transcripts provisional passing rank etc. In nut shell all students related activities are carried out

through students section which works as care-taker of students in the college.

Library: The Learning resource center known as Library is one of the important academic facilities provided to the students and the faculty at the Institute. The Centre houses more than 20,000 books, 100periodicals/magazines, 1000 CDs. The entire collection of the centre has been computerized enabling the issue/ return of books to be automated. The students have access to the entire collection through computers attached with CD-ROM facility. The Librarian will be available for the service of the students without adherence to the timings of the Library. The Library also has the facility of Book Bank to cater the requirement of the students in need.

Central Workshop: Well-established workshop facility is available with all the necessary equipment required as per the curriculum. The total Built-up area of the workshop is around 1400 Sq.mts and houses all the important machine required in any manufacturing industries and fabrication shop. It has well trained trainers who impart on –hand training of operating the machines in workshop.

Computer Laboratory: The central computing facility consists of two servers and 360 +Computer systems. Internet connectivity through Broadband under BSNL is also provided for the students, staff and Library. Software required for various applications like JAVA, ORACLE, VB.NET, MATLAB etc. are available. We are in the process of purchasing 350 more computers in near future.

Amenities Centre: Gymkhana: Students Gymkhana committee prepares action plan for gymkhana activities, such as sports, indoor games, cultural activities, debating, social services, social gatherings etc. In spite of busy semester schedule, students participate actively in these activities which bring laurels to the institute. Frequent blood donation camps form regular feature of the institute. More indoor sports activities are being introduced.

Sports & Cultural Facilities: The institute encourages & provides facility for sports to the students for their overall development. Students of the college have been continuously bringing pride for institute by getting ranks in their participation in national level events of sports as well as cultural events.

Activities: AIT also emphasizes to overall development of students and for this purpose the students are encouraged to participate in various extra curricular activities.

Departments: There are six departments offering degree programmes in engineering & Postgraduate programme in Management. They are :-Electronics & Communication Engineering •Computer Engineering & Information Technology•Mechanical Engineering•Electrical Engineering•M. B. A.All the engineering and Science Departments are well equipped with modern laboratories to cater to the need of training, the students as well as for industrial testing. A fully equipped workshop caters to learning requirements of various category of students, and that of the departments..

Electronics & Communication Engineering Department: Yearly intake of students is 60. Experienced faculty, modern laboratories, dedicated Technical & non-technical staff aided by computers and Internet facility is available in the department. The Department has well equipped laboratories with required software & hardware. The course curricula have been designed byGTU/GU to meet the industrial needs. As part of the course curriculum the students have to complete a project in industry in Their last semester. For project work, the students are sent to renowned Industry / Organizations. Students are encouraged to work and participate in the technicalevents, live projects and technical symposium.

Computer Engineering & Information Technology Department: Yearly Intake of 90 students. Experienced faculty, dedicated technical & non-technical supporting staff, takes care of the educational needs of the students. The department has four modern computer centers which are supplied with latest programming software's like Pro-e; AutoCAD, Microsoft visual Studio.NET, Oracle, Mi-Power and other useful operating systems, and also latest Hard ware and network devices like highstorage HCL server, Core 2 Duo processor supported workstation; with Internet facility withcomputers. The total intake is 60 students/yr in Information Technology. This course, has been started in the academic years 2008-2009.Students are encouraged to work and participate in the technical events, live projects and technical symposium.

Mechanical Engineering Department: Yearly Intake is 90 students: Experienced Faculty coupled with,technical and non-technical supporting staff with most modern Workshop and laboratories with computers and Internet facilities are available in the department.Students are encouraged to work and participate in the technicalevents, live projects and technical symposia. At regular intervals, the industrial visits of students are arranged. The project work based on industries is additional but routine feature. Interaction with industries by inviting experts from industries for their expert lectures on latest industrial practices are also arranged

Electrical Engineering Department: Yearly Intake of 60 students: Experienced faculty, Technical & Non-Technical supporting staff and most modern laboratories with computers andInternet facility are the general features of the department .Electrical Engineering is the mother branch havingdiversified engineering disciplinesoffering the students wide range of career choices. Its strong and broadtechnical foundation provides an opportunity in engineering practices for immediate employment of students in the world of work. Studentsare encouraged to work and participate in the technical events, liveprojects and technical symposia.

General Department: Students entering the college are exposed to a few subjects common to all branches of engineering for which teaching -learning process is carried out by the general department. Theses are mainly common subjects and are inter-related to the different disciplines and are required as a basic foundation forushering technical excellence in the student community, ready to

take up challengesof their future. These subjects are interwoven and utility oriented in different streams of engineering.

M.B.A. Department: Department of Management studies at AIT is continuously working to prepare future managers to fulfill the requirements of these growing industries in Gujarat in particular and at national level at large. Our Interactive Learning Approach with Hi-Tech Infrastructure gives our students the knowledge, attitude and skills to optimally manage Business Resources. Our focus is not only to create future managers but also to provide them with the right eco-social attitude. As a New Management Institute in this region, we have received very good response in summer placement during this year. We express our gratitude to participant companies for the success and hope thatthis year's placement activity will help industries in finding suitable candidates for their current and future requirements. We are in the field of Management Education as per GU/GTU and AICTE norms.AIM emphasizes the over all development of the students. It aims at not only producing good managers but also good and worthy citizens of our society.We will achieve this through:Establishment of an effective learning environment.Continually upgrading teaching abilities of teachers.Continually improving quality management system.Using appropriate teaching aids and technology

FOCUS:
- •Develop individuals who can adapt to the changing business environment
- •Develop emotionally intelligent individuals
- •Imbibe social sensitivity among students

Training & Placement Cell: The institute adopts modern practices of training and placement of students in industries and world of work. For this purpose, placement cell is created in every department with HOD as coordinator with two faculty members and two final year students as members. Placement cells prepare soft copy of placement brochure of institute and sends the same to identified but selected industries with an invitation for campus placements, by way of correspondence and meeting in person with executives the industries and interactswith executives of industries for placement of students in industries.

Workshops:
HIGH VOLTAGE LAB, H.M.T. LAB, LATHE MACHINE LAB, MECHANICAL ENGG. LABS

Academic Calender: The term schedule is as per the academic calendar of Gujarat Technological University. The level of the attendance required by the student is also as per the norms of Gujarat Technological University which at present is 80% of the total engaged classes. The student has to attend all the examinations during the term. The student has to complete the stipulated Term Work assigned by respective subject faculty.

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