Academics

Programs offered

UG PROGRAMS

The UG programmes offered by the institution are affiliated to APJ Abdul Kalam Technological University. The B Tech programmes span a duration of 8 semesters.

The following B Tech Programmess are offered by the college:

B. Tech Programmes	Sanctioned Intake
Civil Engineering	120 Seats
Computer Science & Engineering**	180 Seats
Electronics & Communication Engineering**	120 Seats
Electrical & Electronics Engineering**	60 Seats
Electronics & Instrumentation Engineering**	60 Seats
Mechanical Engineering**	120 Seats
Computer Science & Design	60 Seats

** Accredited by NBA

PG PROGRAMS

PG Programs

The institution offers post graduate programs in M Tech, Master of Computer Applications and Master of Business Administration, all affiliated to APJ Abdul Kalam Technological University. The duration of the PG Programmes is 4 semesters.

P G Programmes	Sanctioned Intake	Department

MTech in Artificial Intelligence and Data Science	12	Computer Science and Engineering
M.Tech in Artificial Intelligence and Data Science for Working Professionals	15	Computer Science and Engineering
M Tech in Power Electronics and Power Systems	12	Electrical and Electronics Engineering
M Tech in Renewable Energy	12	Mechanical Engineering
M.Tech in Renewable Energy for Working Professionals	15	Mechanical Engineering
M Tech in VLSI & Embedded Systems	12	Electronics and Communication Engineering
M Tech in Structural Engineering & Construction Management	24	Civil Engineering
Master in Business Administration	120	FISAT Business School
Master of Computer Applications	120	Computer Applications
Master of Computer Applications (Integrated)*	60	Computer Applications

Phd programs

The institution offers PhD programs, affiliated to APJ Abdul Kalam Technological University, in the following departments:

Computer Science and Engineering
Civil Engineering
Electrical and Electronics Engineering
Electronics and Communication Engineering
Mechanical Engineering
Electronics and Instrumentation
Basic Sciences

Departments

Civil Engineering
> Computer Science and Engineering
Electrical and Electronics Engineering
> Electronics and Communication Engineering
> Electronics and Instrumentation Engineering
› Mechanical Engineering
Business Administration
> Computer Applications
> Science and Humanities

Facilities

The college master plan envisages a three storeyed main building consisting of a central block with college office, central library, main computer centre, office of the principal, conference hall, seminar halls, etc housed in it; and two major side building complexes housing all the class rooms, drawing halls, tutorial halls, departmental offices, libraries and computer centers.

FISAT Library is the soul of the institution and it acquires, processes, preserves and disseminates information to the user community with the motto of focus on excellence. It has an extensive collection of books, reference materials for satisfying the academic and research needs of the students and faculty. FISAT Library and Information Centre consists of a reference section, circulation section and periodical section. The library has automated all its activities to provide an effective and wide range of academic resources such as books, journals, online databases.

Laboratory building complexes, boys and girls hostels, staff quarters, college canteen, stadium with all modern facilities for sports and games, gymnasium, language lab, road network, electric power generating system etc are available. FISAT gives paramount importance to the safe transport of students and staff to the institution and back home. To ensure safe travel, the institution has its own fleet of buses. An efficient transportation system is operating in FISAT with a fleet of 30 buses plying on various routes of the city, thus providing easy access even from the remote areas of the district. The bus facility is available to the day scholar students on all working days. Hostel students also can avail the bus facility for going home on weekends/holidays by availing the bus coupon facility. The laboratory and workshop building complexes for Electrical Engg, Electronics

Engg, Computer Engg, Instrumentation Engg, Civil & Mechanical Engg have all been constructed according to prevailing standards and are fully operational. Three large building complexes have been built outside the main building for the above purposes. An auditorium with seating capacity for 800 is in use with high-tech audio equipments and stage arrangements. Air-conditioned Seminar halls with LCD projector are available for conducting various technical programs.

Central computing facility

FISAT has a well-developed Central Computing Facility with ultra-modern, high-performance computers and peripherals to meet the computing needs of staff and students.

Established in May 2009, the CCF has nine labs and a sufficient number of computers, all of which are equipped with Intel Core i5 / Core i3 processors, 8GB / 4GB RAM, and an 18.5" TFT monitor, as well as the operating systems Debian GNU Linux and Ubuntu. This 15,000-square-foot high-tech lab is completely air-conditioned and has a continuous power supply. The servers are available around the clock, seven days a week. The interiors and layout are modern in style to maximise space efficiency and beauty. The department has a high-performance computing centre that includes an in-house Dakshina Cluster and a Tesla Super Computer.

The Central Computing Facility is equipped with cutting-edge DELL Rackmountable, HP Blade Servers, and Sun Blade Servers.

Dell PowerEdge R440 Server with configuration, Intel Xeon Bronze 3106 1.7G, 128 GB RDIMM, 2 x 1.2 TB 10 K RPM SAS 12Gbps 2.5in Hot-plug Hard Drive with RAID Controller, Dell EMC PowerEdge SFP+ SR Optic 10GbE, Internal Dual, Hot Plug, Redundant Power Supply 550W, Broadcom Dual Port 10 GbE Base T Network / Broadcom Dual Port 10GbE SFP+ Adapter, Ready Rails Sliding Rails with Cable Management.

HP Blade Chassis Enclosure-C 3000, The HP Blade Chassis Enclosure-C 3000 consists 5 numbers of HP BL460c blade servers and one HP D2200sb Storage Blade. Rail Kit, HP BLc GbE2c LY 2/3 Switch. Blade Servers consists of E5-2660 8 Core / HP 64 GB x RAM / HP 900GB 6G SAS 10K 2.5in HDD / HP FlexFabric 10Gb 2P 554FLB FIO adapter.HP BL460c Gen9 E5-2640v3 Kit / HP 128GB

RAM / HP FlexFabric 10Gb / HP 300GB 12G SAS 10K 2.5in HDD. HP D2200sb Storage Blade consists of HP 900GB 6G SAS 10K 2.5in DP ENT HDD.

The following software is installed on the servers: -

Debian GNU Linux and Ubuntu Linux are the operating systems for these blades. These servers will house, among other things, all campus automation projects, staff and student logins, and the campus intranet. These blade servers run open source server virtualization software such as Virtual Box and Citrix XenServer.

Other Facilities >>
Facilities
Sports and Games
Central Computing Facility
Master Plan
Language Lab
IT Infrastructure
Robotics Lab
Hostel
Sports and Games
Fitness Centre
Cafeteria
Conveyance
Bank & ATM