

# Information Technology

## (Degree Level)

### AMIETE (IT) at par with BE/B Tech

**Minimum qualification :** 10 + 2 (Sci.) pass with English, Maths, Physics & Chemistry  
OR Diploma Engg. Pass (Electronics / Computer / Electrical)  
OR any other exam equivalent to it.

#### Semester I

Sr	Code	Subject
1	AT51	Engineering Mathematics – I
2	AT52	C & Data Structures
3	AT53	Electronic Devices & Circuits

#### Semester II

Sr	Code	Subject
1	AT54	Linear ICs & Digital Electronics
2	AT55	Object Oriented Programming with C++
3	AT99	Communication Skill & Technical Writing

#### Semester III

Sr	Code	Subject
1	AT56	Engineering Mathematics – II
2	AT57	Signals & Systems
3	AT58	Computer Organization
4	AT59	Operating Systems & Systems Software
5	AT91	Data Structures with C & C++ lab

#### Semester IV

Sr	Code	Subject
1	AT60	Computer Graphics
2	AT61	Database Management Systems

#### Semester V

Sr	Code	Subject
1	AT62	Operations Research & Engg. Management
2	AT63	Software Engineering
3	AT64	Design & Analysis of Algorithms
4	AT65	Multimedia Systems
5	AT66	Microprocessors & Microcontrollers
6	AT92	DBMS Lab

#### Semester VI

Sr	Code	Subject
1	AT67	Data Communication & Comp. Networks
2	AT68	Java & Web Programming
3		Elective - I
4		Elective - II
5	AT93	Analysis & Design of Algorithms Lab

#### Semester VII

Sr	Code	Subject
1	AT94	Java & Web Programming Lab

#### Semester VIII

Sr	Code	Subject
1	AT69	Project Work
2	AT70	Seminar

### ELIGIBILITY CONDITIONS FOR SEMESTERS, LABS AND PROJECT

#### For Semester II:-

Student must have appeared in all the subjects of semester – I.

#### For Semester III:-

- 1) Student must have appeared in all the subjects of semesters I & II (combined) (Excluding AT99) and
- 2) For lab (AT91) student must have passed in atleast three subjects of semesters – I & II (Excluding AT99).

#### For Semester V:-

- 1) After successfully fulfilling the criteria for semester III, Student must have appeared in all the subjects of semester III & IV and
- 2) For lab (AT92) student must have passed in atleast three subjects of semester III & IV and cleared the lab of semester III (AT91).

#### For Semester VI:-

- 1) After successfully fulfilling the criteria for semester V, Student must have appeared in all the subjects of semester V and
- 2) For lab (AT93) student must have passed in atleast three subjects of semester V and cleared the lab of semester V (AT92). In addition the minimum overall aggregate of any three subjects each of semesters (I & II (combined) (Excluding AT 99)), semesters (III & IV (combined) & semester V along with labs of semesters III (AT91) & semester V (AT92) must be minimum 5 GPA.

#### For semester VII:-

- 1) After successfully fulfilling the criteria for semester VI, Student must have appeared in all the subjects of semester VI and
- 2) For lab (AT94) student must have cleared atleast three subjects of semester VI and cleared the lab of semester VI (AT93).

#### For Project & Seminar:-

Student must have passed in atleast 16 theory papers (excluding AT99) and cleared all the labs (AT91, AT92, AT93 & AT94) with minimum 5 GPA.