



## AMIE SYLLABUS- COMPUTING &INFORMATICS

### (GROUP-A)

**Programming languages.** C including C++; Languages-declarations, expressions, control statements, arrays, functions, pointers and structures; Algorithms and flow charts. Introduction to Pascal.

**Informatics.** Information systems for decision making; Data management and database management technology; Office automation system-LAN, WAN, electronic mail, electronic data interchange; client server technology; overview of TCP/IP; Information systems for business; Strategic information systems; Information resources management.

### (GROUP-B)

**Computer basics.** History, generations and classification of computers; Number systems; Boolean algebra.

**Hardware.** Introduction to logic gates and flip flops; components of a computer input/output devices, CPU unit and memory unit, secondary storage.

**Software.** System software; application software; compilers and translators.

**Operating systems.** Introduction to operating systems types of operating systems and their functions; popular operating systems-MS-DOS, UNIX and Windows; file management.