

Essential Computing

BPM-119

Course Objective

- To Understand key concepts relating to ICT, computers, devices and software.

Course Description

This course offers a broad coverage of technology concepts and trends underlying current and future developments in information technology, and fundamental principles for the effective use of computer-based information systems. There will be a special emphasis on computer hardware and operating systems. Other topics include: computer networks and World Wide Web, software development tools and processes, relational databases, security and cryptography, enterprise applications, and electronic commerce.

Syllabus

S.L	Topic	Resources
1	Introduction to Computers	Repository Khan Academy CS101 CS50 Information technology
2	Computer Hardware	
3	Computer Software	
4	Digital Logic Design	
5	Computer Networking	
6	Programming languages	
7	World Wide Web	
8	Cloud Computing and Big Data	
9	Computer Security	
10	Artificial intelligence	

Marks Distribution

S.L.	Exam	Mark	Syllabus
1	Midterm	30	1 – 5
2	Final	50	5 - 10
4	Class test	-	C-1 (Mid-term), C-2 (Final)
5	Assessment	20	Class Test + Class Attendance
Total		100	

Instructor

[Md Mahedi Hasan](#)