



Daffodil Institute of IT (DIIT)

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Course Information

Course Title: Information & Communication Technology (ICT)

Course Objectives:

In this course, the students will be exposed to ICT and shown how ICT is pervasively affecting all of us. The focus of this class would be on how ICT can be leveraged by students to develop their skills and better perform their professional tasks.

The course's objectives, formally defined here, are the following:

- 1) To get you excited about ICT
- 2) To familiarize you with the usage of ICT
- 3) To get you motivated about creating and using innovative ICT applications

I would like to remind you that this course that you'd be taking is a basic course that applies very widely. The skills that you'd learn from this course would be very useful to you for the duration of your B.Sc studies and beyond. The importance of this course should motivate you all to take keen interest in the class proceedings and try to work hands on. This course will take you through all the necessary stages.

Course Requirements

- The course starts from basic principles and requires no prior knowledge of ICT.

Counseling Hours:

All working days. However, it is strongly recommended that appointments are set up through Phone call and email beforehand.

Course Outline	
Class Materials	Topics and Chapters are designed with PowerPoint Presentation; all slides and course materials uploaded in Google Classroom and Google Site.
Reference Book	Computer Fundamentals by Pradeep K. Sinha, Computer Fundamentals by Dr. M. Lutfar Rahman
Class Order	
Class No.	Topic
Lecture 1	Introduction to ICT, Use & Components of ICT, ICT Applications
Learning Tools: Google Classroom	
Lecture 2	Introduction to Computer, Evolution of Computer, characteristics and organization of Computer
Lecture 3	Data and Information, Calculator vs Computer, Computer Generation
Lecture 4	Types of Computer Generation
Lecture 5	Different types of Computer
Lecture 6	Organization of computer, Application and limitations of Computer
Lecture 7	Number Systems: Binary, Hexadecimal and Octal Numbers
Lecture 8	Computer Hardware, Classification of Hardware

Quiz/Assignments Policy

Quizzes will be announced as well as unannounced.

Late submission of assignments will either not be entertained or will result in the deduction of marks.

Learning Outcomes:

After completing this course, a student will be able to:

- Understand different terms associated with ICT
- Identify various components of a computer system

- Identify the various categories of software and their usage
- Define the basic terms associated with communications and networking
- Understand different terms associated with the Internet and World Wide Web.
- Use various web tools including Web Browsers, E-mail clients and search utilities.
- Use text processing, spreadsheets and presentation tools
- Understand the enabling/pervasive features of ICT