



SOUTH EASTERN UNIVERSITY OF SRI LANKA

DEPARTMENT OF COMPUTER SCIENCE

FACULTY OF APPLIED SCIENCES

Diploma in Computer Technology (DCT)

1. CONDUCT AND DURATION:

The DCT will be offered by the Department of Computer Science, Faculty of Applied Sciences, South Eastern University of Sri Lanka.

Duration of the Course: One Year part-time (weekends) consisting of 30 credits.

2. MEDIUM OF INSTRUCTION:

Medium of instruction is English (lectures and practical).

3. SLQF and NVQ Level:

This Diploma is considered at the **SLQF 3 and NVQ Level 5**.

4. INTRODUCTION:

Computer Technology (CT) has been evolving as an important branch of science and engineering throughout the world in the last couple of decades and has carved out a space for itself like any other discipline of basic science and engineering. CT is a discipline that spans theory and practice and requires thinking in both abstract and concrete terms. Currently, everyone is a computer user practically, and many people are even computer programmers. CT can be seen on a higher level as a science of problem-solving requiring precision, creativity, and reasoning. Many problems in science, engineering, health care, business, and other areas can be solved effectively with computers, but finding a solution requires both CT expertise and knowledge of the particular application domain.

The DCT program aims to provide qualified professionals effectively for the industry and will be a backbone for their career.

5. Programme Learning Outcomes (PLO):

After completion of this course, students will be able to:

- Use and operate computers for data processing and communication.
- Efficiently use software application packages.
- Diagnose faults/viruses and resolve them.
- Maintain computer systems and networks.
- Analyze existing computer systems and design new systems.
- Comprehend Java programming.
- Create web-based applications.
- Comprehend web server administration.
- Improve skills needed to develop software solutions to real-world problems.
- Provide awareness of new and future trends in CTs.
- Develop the capability of working in multidisciplinary and multinational teams.

6. ELIGIBILITY REQUIREMENTS:

The candidate must have:

- Passed G.C.E (A/L) examination with a minimum of three ordinary (S) passes / 30 credits after SLQF 2 / completion of NVQ Level 4 and at least a simple pass for English language in the G.C.E (O/L) examination.

OR

- Passed G.C.E (O/L) examination with a minimum of six ordinary (S) passes including at least a simple pass for English language and at least two years' experience from a recognized institute approved by the senate.

7. CURRICULUM OF THE PROGRAM:

Syllabus Outline for DCT

Semester I

Course Code	Title of Course Unit	Lecture/Practical Hours	Credit Points
DCT 1012	Information System & Technology	30L	2
DCT 1022	Fundamentals of Computer Hardware	30L	2
DCT 1032	Data Communication and Computer Networking	30L	3
DCT 1043	Office Automotive Applications	45L	3
DCT 1052	Internet & W3 Technology	30L	2
DCT 1062	Fundamentals of Programming (Using JAVA)	23L + 21P	2
DCT 1072	Visual Programming	23L + 21P	2
	Total	211L + 42P	15 Credits

Semester II

Course Code	Title of Course Unit	Lecture/Practical Hours	Credit Points
DCT 2083	JAVA Programming	30L + 45P	3
DCT 2092	System Analysis & Design	30L	2
DCT 2102	Database System	30L	2
DCT 2113	Multimedia and Web Development	30L + 45P	3
DCT 2122	Professional Skills Development in Computer Applications	30L	2
DCT 2131	Internet of Things (IoT)	15L	1
DCT 2142	Final Project	-	2
	Total:	165L + 90P	15 Credits

Application Procedure

Applicants are required to download and complete the application form available at <https://www.seu.ac.lk/fas/> and send it by registered post, along with the relevant supporting documents, to **The Coordinator, Diploma in Computer Technology, Faculty of Applied Sciences, South Eastern University of Sri Lanka, Sammanthurai**. An application processing fee of Rs. 500/= should be paid at any branch of People's Bank in favor of the **Bursar, South Eastern University of Sri Lanka (Account No. 064-1-012-4-0046778)**, and the **original bank payment slip must be attached to the postal application**. Please ensure that the envelope is clearly marked **"Diploma in Computer Technology – 2026"** on the top left corner. In addition, applicants must fill out the online application form available at <https://forms.gle/F3S1y7kC7715LLKo9>

Online Application Form

<https://forms.gle/F3S1y7kC7715LLKo9>

Physical Application Form (Download)

Application Deadline: 28th November, 2025

NOTE:

You are eligible to follow BIT, BICT or HNDIT after completion of this Diploma.

For more info:

Mr. A.L. Hanees

Coordinator - Diploma in Computer Technology

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