

Notes :

" YOUR PATH TO GREATNESS  
STARTS HERE"

**SLIIT Malabe Campus**  
New Kandy Road, Malabe  
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**SLIIT Metro Campus**  
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28 St. Michael's Road, Colombo 03  
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**SLIIT Matara Centre**  
24, E. H. Cooray Tower,  
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**SLIIT Kandy Centre**  
670/1/1A, Peradeniya Road, Kandy  
Tel : + 94 (0) 81 238 7888

**SLIIT Kurunegala Centre**  
Mihindu Mawatha, Kurunegala  
Tel : + 94 (0) 37 720 4204

**SLIIT Jaffna Centre**  
53, Point Pedro Road, Jaffna  
Tel : + 94 (0) 21 720 0406/7



**MEMBER**

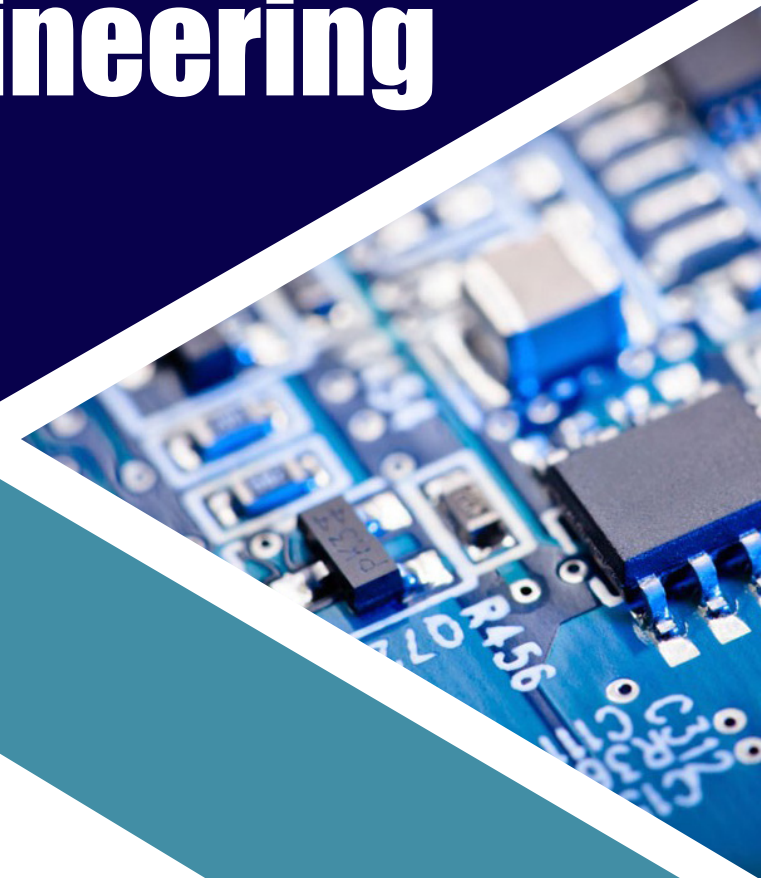
THE ASSOCIATION OF COMMONWEALTH UNIVERSITIES  
INTERNATIONAL ASSOCIATION OF UNIVERSITIES



**011 754 4801** **www.sliit.lk** **info@sliit.lk**



**BSc (Hons) Degree in Information  
Technology Specialising in  
Software  
Engineering**



# Why SLIIT?

Highly qualified, dedicated in house academic staff, professional career focused education, innovative study programmes, outstanding facilities are some of the reasons that make SLIIT the right choice for you. SLIIT ensures its students a learning experience that is a enriching and enlightening.

“ The practical based curricula of this degree will allow you to gain a substantial edge at your employment prospects. ”

Our graduates are highly sought after by industry with 90% of computing graduates are finding employment within first four month of graduation.

## Computing at SLIIT

- Opportunity to complete UGC approved highly recognized degree programme
- Competent in-house lecture panel with more than 5000 of collective experience
- Opportunity to follow the only IET (UK) accredited Information Technology Degree programme in Sri Lanka leading to Chartered Engineer status
- Member of the Association of Commonwealth Universities and International Association of Universities (IAU)

## Practical Experience

With a strong focus on building practical based study the BSc (Hons) Degree in Information Technology Specialising in Software Engineering degree incorporates the students to gain hand in experience with projects.

## Software Engineering

Software engineering is the discipline of designing, creating and maintaining software by applying technologies and practices from computer science, project management, engineering, application domains, interface design, digital assets management and other fields.

**Duration** : 04 Years  
**Entry** : February / June / September  
**Location** : Malabe , Colombo, Matara, Kandy, Kurunegala, Jaffna  
**Offered** : Weekdays / Weekends  
**Examinations** : Weekdays / Weekends

## Careers

Graduates typically embark on careers as:

- Software Engineer
- Business Analyst
- Full Stack Developer
- UX Engineers
- Software Architect
- Project Manager
- Business Analytics
- Android developer
- IOS Developers
- Systems Analytics
- Business Analytics
- Information Security Analyst
- Project Manager
- Software Quality Assurance

## Course Structure

### YEAR 01

Introduction to Programming  
Introduction to Computer Systems  
Mathematics for Computing  
Communication Skills

Object Oriented Concepts  
Software Process Modeling  
English for Academic Purposes  
Information Systems and Data Modeling  
Internet and Web Technologies

### YEAR 03

Software Engineering Process & Quality Mgt.  
Distributed Systems  
Software Architecture  
Application Frameworks  
Employability Skills Development - Seminar  
User Experience Engineering  
Database Systems  
Case Studies in Software Engineering  
Software Project Management

### Entry Requirements

Passes in three subjects (in any stream) at the G.C.E (Advanced Level) examination (Sri Lanka / London) in one and the same sitting and a pass at the Aptitude test conducted by SLIIT along with passes for all modules up to the 2nd year and a GPA of over 2.7 are eligible to join this specialization.

### YEAR 02

Software Engineering  
Object Oriented Programming  
Database Management Systems  
Computer Networks  
Operating Systems and System Administration

Mobile Application Development  
Data Structures and Algorithms  
IT Project  
Professional Skills  
Employability Skills Development - Seminar  
Probability and Statistics

### YEAR 04

Research Project  
Current Trends in Software Engineering  
Preperation for the Professional World  
Machine Learning  
Image Understanding & Processing  
Research Project  
Secure Software Development  
Enterprise Application Development  
Mobile Application Design & Development  
\*Industry Placement - 6 Months