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**"YOUR PATH TO GREATNESS  
STARTS HERE"**

**SLIIT Malabe Campus**  
New Kandy Road, Malabe  
Tel : + 94 (0) 11 241 3900  
Fax : + 94 (0) 11 241 3901

**SLIIT Metro Campus**  
BoC Merchant Tower,  
28 St. Michael's Road, Colombo 03  
Tel : +94 (0) 11 230 1904  
Fax : +94 (0) 11 230 1906

**SLIIT Matara Centre**  
24, E. H. Cooray Tower,  
Anagarika Dharmapala Mawatha, Matara  
Tel : + 94 (0) 41 222 2958  
Fax : + 94 (0) 41 222 1048

**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**

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THE ASSOCIATION OF COMMONWEALTH UNIVERSITIES

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INTERNATIONAL ASSOCIATION OF UNIVERSITIES



# SLIIT

*Discover Your Future*



# 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)
- Regional access though centers in Matara, Kandy, Jaffna and Kurunegala

## Practical Experience

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

## Data Science

The meticulous curriculum focuses on the fundamentals of computer science, statistics, and applied mathematics, while incorporating real-world examples. Graduates are prepared to succeed in specialized jobs involving everything from the data pipeline and storage, to statistical analysis eliciting the story the data tells.

**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:

- Big Data Engineer
- Data Analyst
- Data Scientist
- Business Intelligence Engineer
- Software Engineer
- Data Architect
- Database Administrator
- Consultant, Business Analytics
- Machine Learning Engineer
- Big Data Application Developer
- Data Science Specialist

## 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

Programming Applications and Frameworks  
Theory and Practices in Statistical Modelling  
Data Warehousing and Business Intelligence  
Database Systems and Data - Driven Application  
Information Retrieval and Web Analytics  
Fundamentals of Data Mining  
Massive Data Processing and cloud Computing  
Machine Learning and Optimization Methods  
Industry Placement

### 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 2<sup>nd</sup> year and a GPA of over 2.7 are eligible to apply to this specialization. Selection is based on an interview.

### 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 (Comprehensive Design & Analysis Project )  
Database Administration and Storage Systems  
Internet of Things and Big Data Analytics  
Visual Analytics and User Experience Design  
Introduction to Information Security Analytics  
Preparing for the Professional World