2021
FACULTY OF COMPUTING
STUDENT GUIDE

SLIIT

Discover Your Future

THE NEXT YOU

The goals and decisions you pursue today will take you to the next level.
If your decision is to be "Tomorrow's Great", you should join SLIIT Higher
Education, a globally recognised Institute

BE SMART. BE WISE

"The Next You" is determined by your next level of education in the fields of;
COMPUTING | BUSINESS | ENGINEERING | HUMANITIES AND SCIENCES | ARCHITECTURE

- ▶ Scholarships worth over Rs. 50 Million
- ▶ A grant of Rs. 120 Million for new scientific research
- ▶ Internationally accredited lecture panel
- ▶ Educational facilities of international standards

CONTENTS

WWW.SLIIT.LK

MESSAGE FROM THE DEAN

The Faculty of Computing is a vibrant community of undergraduate & postgraduate students, academics and researchers who represent a wide range of specializations. We are the oldest and the largest faculty of computing in Sri Lanka, which has gain a wide recognition locally as well-as internationally over a period of 19 years.

We are engaged in research in exciting cutting-edge research areas such as robotics & intelligent systems, artificial intelligence, cyber security, computer vision and image processing, data communication, high-performance computing, and software engineering.

Faculty of Computing offers BSc(Hons), MSc, MPhil, and PhD programmes covering a range of specializations; Information Technology (IT), Software Engineering (SE), Data Science (DS), Information Systems Engineering (ISE), Computer Systems & Network Engineering (CSNE), Cyber Security (CS), and Interactive Media (IM). Our program portfolio is updated regularly capturing the dynamics of the industry.

Our degree programmes have been designed with consultation with the industry and relevant professional bodies. Our students have access to internationally recognized experts and we work with a range of partners in government, industry, local and foreign universities, and professional bodies such as IET, IEEE, BCS, and CSSL. Our programmes have been accredited by the IET, UK showing the international recognition of our programmes.

Our aim is to produce computing professionals of the future who will be life-long learners equipped with strong analytical, problem solving, and communication skills. Therefore, we endeavour to inculcate soft skills and learnability in our graduates by complementing classroom learning with a range of co-curricular and extracurricular activities.

Faculty of Computing of SLIIT provides you a conducive environment where you can explore new things and interact with a vibrant community of wonderful people. You will be able to discover your potential & own capabilities, and realize your aspirations.

PROFESSOR
CHANDIMAL JAYAWARDENA
DEAN-FACULTY OF COMPUTING

COMPUTING DEGREES

The SLIIT Faculty of Computing is equipped with a range of programmes specialising in various arms of the IT sector. Students are able to choose a path that is most in line with their requirements, allowing them to pursue substantial careers in their selected field.

Combined with an in-house lecture panel, expansive computer laboratories and hands-on learning, SLIIT provides its Faculty of Computing students with the ideal environment to develop their computing skills.

Our computing degrees are awarded by SLIIT as approved by the University Grants Commission. The institute is also a Member of the Association of Commonwealth Universities and International Association of Universities (IAU).

In addition to SLIIT computing programmes, students have the option of studying the Curtin University offshore programmes in Sri Lanka right here at SLIIT.Students can also complete their degree at one of SLIIT's partner universities in UK,USA, Canada or Australia.

DEGREES - SLIIT BSC HONOURS DEGREES

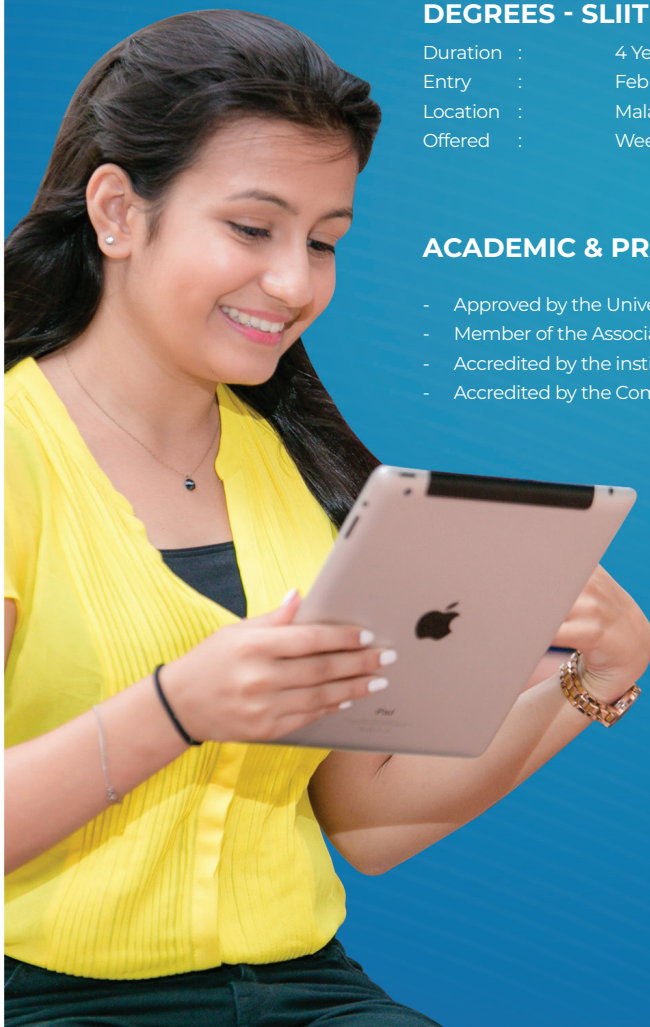|		
Duration	:	4 Years
Entry	:	February / June / September
Location	:	Malabe / Colombo / Matara / Kandy / Kurunegala / Jaffna
Offered	:	Weekdays / Weekends

ACADEMIC & PROFESSIONAL RECOGNITION

- Approved by the University Grants Commission under the Universities Act
- Member of the Association of Commonwealth Universities
- Accredited by the institute of Engineering & Technology (IET), UK
- Accredited by the Computer Society of Sri Lanka (CSSL)

This degree allows students the following options, upon successful completion of the prescribed modules:

End of 2nd year:
Higher Diploma in Information Technology

End of 4th year:
BSc Honours degree in Information Technology in the respective specialisation

Students have the option of exiting a course, should they be faced with restrictive circumstances.Whilst they can rejoin at a later date, such requirements are subject to relevant registration procedures and approval by SLIIT.

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 asset management and other fields.

CAREER OPPORTUNITIES

- Software Engineers
- Mobile Application Developers
- Full Stack Developers
- UI/UX Engineers
- System Analysts

ENTRY REQUIREMENTS

Passes in three subjects (in any subject 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. To progress from the second year to the third year of the program, a student must pass all the modules up to the second year and maintain a minimum CGPA of 2.7.

YEAR ONE
SEMESTER 01

IT 1010	Introduction to Programming	04
IT1020	Introduction to Computer Systems	04
IT1030	Mathematics for Computing	04
IT1040	Communication Skills	03

SEMESTER 02

IT1050	Object Oriented Concepts	02
IT1060	Software Process Modeling	03
IT1080	English for Academic Purposes	03
IT1090	Information Systems and Data Modeling	04
IT 1100	Internet and Web Technologies	04

YEAR TWO
SEMESTER 01

IT2020	Software Engineering	04
IT2030	Object Oriented Programming	04
IT2040	Database Management Systems	04
IT2050	Computer Networks	04
IT2060	Operating Systems and System Administration	04

SEMESTER 02

IT2010	Mobile Application Development	04
IT2070	Data Structures and Algorithms	04
IT2080	IT Project	04
IT2090	Professional Skills	02
IT 2110	Probability and Statistics	03
IT2100	Employability Skills Development –Seminar (Non GPA)	01

YEAR THREE

SE3010	Software Engineering Process & Quality Management	04
SE3020	Distributed Systems	04
SE3030	Software Architecture	04
SE3040	Application Frameworks	04
IT3050	Employability Skills Development – Seminar (Non GPA)	01
SE3050	User Experience Engineering	03
SE3060	Database Systems	04
SE3070	Case Studies in Software Engineering	04
SE3080	Software Project Management	03
IT 3110	Industry Placement (Non-GPA)	08

YEAR FOUR

IT4010	Research Project	16
IT4070	Preparation for the Professional World (Non GPA)	02
SE4010	Current Trends in Software Engineering	04
SE4030	Secure Software Development	04
Two Electives from the Following*		
IT4130	Image Understanding & Processing	04
IT4060	Machine Learning	04
SE4040	Enterprise Application Development	04
SE4020	Mobile Application Design & Development	04
SE4050	Deep Learning	04
SE4060	Parallel Computing	04
IE4060	Robotics and Intelligent Systems	04

Electives to be chosen with prior approval

INFORMATION TECHNOLOGY

The programme is designed for technically focused students who wish to build a solid technical foundation in information technology and its application. The program facilitates students to develop strong technical skills in the areas of software design and software engineering, operating systems, database management systems, systems administration and technical support, and networking.

CAREER OPPORTUNITIES

- ICT Infrastructure Engineers
- Information Assurance Engineers
- Web Developers
- Data Engineers
- IT Managers

- System and Data Administrators
- Software Quality Assurance Engineers
- Software Engineers
- Network Engineers
- IT Educationists

ENTRY REQUIREMENTS

Passes in three subjects (in any subject 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.

YEAR ONE

SEMESTER 01

IT1010	Introduction to Programming	04
IT1020	Introduction to Computer Systems	04
IT1030	Mathematics for Computing	04
IT1040	Communication Skills	03

SEMESTER 02

IT1050	Object Oriented Concepts	02
IT1060	Software Process Modeling	03
IT1080	English for Academic Purposes	03
IT1090	Information Systems and Data Modeling	04
IT1100	Internet and Web Technologies	04

YEAR TWO

SEMESTER 01

IT2020	Software Engineering	04
IT2030	Object Oriented Programming	04
IT2040	Database Management Systems	04
IT2050	Computer Networks	04
IT2060	Operating Systems and System Administration	04

SEMESTER 02

IT2010	Mobile Application Development	04
IT2070	Data Structures and Algorithms	04
IT2080	IT Project	04
IT2090	Professional Skills	02
IT2100	Employability Skills Development –Seminar (Non GPA)	01
IT2110	Probability and Statistics	03

YEAR THREE

IT3010	Network Design and Management	04
IT3020	Database Systems	04
IT3030	Programming Applications & Frameworks	04
IT3040	IT Project Management	04
IT3050	Employability Skills Development - Seminar (Non GPA)	01
IT3060	Human Computer Interaction	04
IT3070	Information Assurance & Security	04
IT3080	Data Science & Analytics	04
IT3090	Business Management for IT	03
IT3110	Industry Placement (Non-GPA)	08

YEAR FOUR

IT4010	Research Project	16
IT4020	Modern Topics in IT	04
IT4070	Preparation for the Professional World (Non GPA)	02

Three Electives from the Following*

IT4030	Internet of Things	04
IT4040	Database Administration	04
IT4050	Innovation Management & Entrepreneurship	04
IT4060	Machine Learning	04
IT4090	Cloud Computing	04
IT4100	Software Quality Assurance	04
IT4110	Computer Systems and Network Administration	04
IT4120	Knowledge Management	04
SE4050	Deep Learning	04
SE4060	Parallel Computing	04
IT4130	Image Understanding and Processing	04
IE4040	Information Assurance and Auditing	04
IE4060	Robotics and Intelligent Systems	04

* Electives to be chosen with prior approval

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 discovering new insights with optimized decision making.

CAREER OPPORTUNITIES

- Data Engineers
- Data Scientists
- Big Data Engineers
- Data Analysts
- DevOps Engineers
- Database Administrators

- Business Intelligence Engineers
- Software Engineers
- Big Data Application Developers
- Data Architects
- Data Science Specialists
- Machine Learning Engineers

ENTRY REQUIREMENTS

Passes in three subjects (in any subject 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. To progress from the second year to the third year of the program, a student must pass all the modules up to the second year and maintain a minimum CGPA of 2.7.

YEAR ONE

SEMESTER 01

IT1010	Introduction to Programming	04
IT1020	Introduction to Computer Systems	04
IT1030	Mathematics for Computing	04
IT1040	Communication Skills	03

SEMESTER 02

IT1050	Object Oriented Concepts	02
IT1060	Software Process Modeling	03
IT1080	English for Academic Purposes	03
IT1090	Information Systems and Data Modeling	04
IT1100	Internet and Web Technologies	04

YEAR TWO

SEMESTER 01

IT2020	Software Engineering	04
IT2030	Object Oriented Programming	04
IT2040	Database Management Systems	04
IT2050	Computer Networks	04
IT2060	Operating Systems and System Administration	04

SEMESTER 02

IT2010	Mobile Application Development	04
IT2070	Data Structures and Algorithms	04
IT2080	IT Project	04
IT2090	Professional Skills	02
IT 2110	Probability and Statistics	03
IT2100	Employability Skills Development –Seminar (Non GPA)	01

YEAR THREE

IT3030	Programming Applications and Frameworks	04
IT3011	Theory and Practices in Statistical Modelling	04
IT3021	Data Warehousing and Business Intelligence	04
IT3031	Database Systems and Data-Driven Application	04
IT3060	Information Retrieval and Web Analytics	04
IT3051	Fundamentals of Data Mining	04
IT3061	Massive Data Processing and cloud Computing	04
IT3071	Machine Learning and Optimization Methods	04
IT3110	Industry Placement (Non-GPA)	08

YEAR FOUR

IT4010	Research Project	16
IT4070	Preparation for the Professional World (Non GPA)	02
IT4011	Database Administration and Storage Systems	04
IT4021	Internet of Things and Big Data Analytics	04
IT4031	Visual Analytics and User Experience Design	04
IT4041	Introduction to Information Security Analytics	04

COMPUTER SYSTEMS & NETWORK ENGINEERING

The program is especially designed to improve the students' knowledge on theories, principles and practices in computer network engineering field and a wide range of soft skills. The key knowledge areas of the program include computer network engineering, computer systems administration, embedded systems engineering and cloud computing related technologies.

CAREER OPPORTUNITIES

- Network Engineers
- Computer Systems Engineers
- Database Administrators
- Scripting Engineers
- Security Engineers
- Network Architects
- Backup Storage Engineers
- Network Designers

- Network Administrators
- Computer Systems Administrators
- Cloud Systems Engineers
- DevOps Engineers
- Infrastructure Engineers
- Virtualization Engineers
- Voice Engineers

ENTRY REQUIREMENTS

Passes in three subjects including Physics and Combined Mathematics at the G.C.E. (Advanced Level) examination (or equivalent subjects at the London G.C.E.(Advanced Level) examination) in one and the same sitting and pass the Aptitude Test conducted by SLIIT.

YEAR ONE

SEMESTER 01

IT1010	Introduction to Programming	04
IT1020	Introduction to Computer Systems	04
IT1030	Mathematics for Computing	04
IT1040	Communication Skills	03

SEMESTER 02

IT1050	Object Oriented Concepts	02
IT1090	Information Systems and Data Modeling	04
IT1080	English for Academic Purposes	03
IE1010	Engineering Mathematics	03
IE1020	Network Fundamentals	04

YEAR TWO

SEMESTER 01

IE2020	Routing & Switching	04
IE2030	Analog Electronics	02
IE2080	Database Systems Administration	04
IE2010	Digital Electronics	02
IT2030	Object Oriented Programming	04
IT2100	Probability and Statistics	03

SEMESTER 02

IE2040	Advanced Internetworking	04
IE2060	Computer Systems Administration	04
IE 2050	Operating Systems	04
IE2090	Professional Engineering Practice and Industrial Management	04
IE2070	Embedded Systems	04

YEAR THREE

IE3010	Network Programming	04
IE3020	Directory Services and Network Management	04
IE3030	Wide area Networks	04
IE3040	Information Storage Management	04
IE3050	Wireless Communications	04
IE3060	Business Management for IT	03
IE3070	Network Technology Project	04
IE3080	Network Security Engineering	04
IT3110	Industry Placement (Non-GPA)	08
IT3050	Employability Skills Development –Seminar (Non GPA)	01

YEAR FOUR

IT4010	Research Project	16
IT4070	Preperation for Professional World (Non-GPA)	02
Four Electives from the Following*		
IE4040	Information Assurance and Auditing	04
IE4060	Robotics & Intelligent Systems	04
IE4020	Enterprise Standards for Information Systems	04
IE4010	Information Security Management	04
IE4080	Software Defined Networks	04
IE4050	Parallel and Distributed Computing	04
IT4030	Internet of Things	04
IE4070	Design and Management of Enterprise Network	04
IE4030	Virtualization and Cloud Computing Technologies	04

Electives to be chosen with prior approval

CYBER SECURITY

The course is designed for students who wish to gain an accelerated early career in cyber/information security. It will prepare you for a successful career in the various roles directly and indirectly connected to the world of computer, network and information security.

CAREER OPPORTUNITIES
- Cyber Security Professionals
- Network Security Specialists
- Operations and Security Managers
- Incident and Threat Managers
- Systems Security Architects
- Risk Analysts and Risk Managers
- Computer Forensics Investigators
- Security Operations Center (SOC) Analysts

ENTRY REQUIREMENTS
Passes in three subjects (in any stream) at the G.C.E (Advanced Level) examination (Sri Lankan/London) in one and the same sitting and a pass at the Aptitude Test conducted by SLIIT. To progress from the first year to the second year of the specialization, a student must meet the minimum GPA requirement specified by the Faculty.

YEAR ONE

SEMESTER 01

IT1010	Introduction to Programming	04
IT1020	Introduction to Computer Systems	04
IT1030	Mathematics for Computing	04
IT1040	Communication Skills	03

SEMESTER 02

IT1050	Object Oriented Concepts	02
IT1060	Software Process Modeling	03
IT1080	English for Academic Purposes	03
IT1090	Information Systems and Data Modeling	04
IT1100	Internet and Web Technologies	04

YEAR TWO

SEMESTER 01

IE2012	Systems and Network Programming	04
IE2022	Introduction to Cyber Security	04
IE2042	Database Management Systems for Security	04
IE2032	Secure Operating Systems	04

SEMESTER 02

IE2052	Advanced Networking Technologies	04
IE2062	Web Security	04
IE2082	Discrete Mathematics	04
IE2072	Foundations of Algorithms	04
IT2090	Professional Skills	02
IT2100	Employability Skills Development –Seminar (Non GPA)	01

YEAR THREE

IE3112	Mobile Security	04
IE3022	Applied Information Assurance	04
IE3032	Network Security	04
IE3042	Secure Software Systems	04
IE3052	Information Security Risk Management	02
IE3062	Data and Operating System Security	04
IE3072	Information Security Policy and Management	02
IE3082	Cryptography	04
IE3092	Information Security Project	04
IE3102	Enterprise Standards for Information Security	02
IT3110	Industry Placement (Non-GPA)	08
IT3050	Employability Skills Development –Seminar (Non GPA)	01

YEAR FOUR

IT4010	Research Project	16
IT4070	Preparation for the Professional World (Non-GPA)	02

Four Electives from the Following*

IE4012	Offensive Hacking: Tactical and Strategic	04
IE4042	Secure Software Engineering	04
IE4092	Machine Learning for Cyber Security	04
IE4022	Security Economic Analysis	04
IE4032	Information Warfare	04
IE4052	Hardware Security	04
IE4062	Cyber Forensics and Incident Response	04
IE4072	Governance and Cyber Law Clinic	04

Electives to be chosen with prior approval

INFORMATION SYSTEMS ENGINEERING

Information Systems Engineering Degree is where Technology meets Business. The program mainly caters those interested in becoming specialists who analyze and diagnose business problems and opportunities, and fit in the right IT solutions to satisfy the information needs. This stream particularly emphasis on Systems Analysis and Design, Business Analysis, Requirement Engineering, Business Process Design and Management, User interface design, IS Management and Operations, Enterprise Architecture, Data and Information Management, Ecommerce, Business Management, Organizational Change, and Entrepreneurship .ISE graduates are typically excellentlent in soft skills.

CAREER OPPORTUNITIES

- Business Analysts
- Systems Analysts
- Project Managers
- Application Developers
- Software Quality Engineers
- ICT Consultants
- Business Process Analysts
- Enterprise Architects
- Business Information Managers
- Database Administrators
- Product Owners

ENTRY REQUIREMENTS
Passes in three subjects (in any subject 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.

YEAR ONE

SEMESTER 01

IT1010	Introduction to Programming	04
IT1020	Introduction to Computer Systems	04
IT1030	Mathematics for Computing	04
IT1040	Communication Skills	03

SEMESTER 02

IT1050	Object Oriented Concepts	02
IT1060	Software Process Modeling	03
IT1080	English for Academic Purposes	03
IT1090	Information Systems and Data Modeling	04
IT1100	Internet and Web Technologies	04

YEAR TWO

SEMESTER 01

IT2040	DataBase Management Systems	04
IE2021	Object Oriented Programming	04
IE2031	Structured Analysis and Design	04
IE2041	Information Systems Analysis	04
IE2071	Design and Management of Computing Infrastructure	04

SEMESTER 02

IT2090	Professional Skills	02
IE2051	Information Systems Project	04
IE2061	Operating Systems and Systems Administration	04
IE2081	Object Oriented Analysis and Design	04
IT2100	Employability Skills Development –Seminar (Non GPA)	01
IT2110	Probability and Statistics	03

YEAR THREE

IE3011	IS Project Management	03
IE3021	Organizational Business Functions I	03
IE3031	Management Information Systems	03
IE3041	Data Management and Business Intelligence	04
IE3051	E Business Strategy & Architecture and Design	04
IE3061	Information Security Management	04
IE3071	Organizational Business Functions II	03
IE3081	Enterprise Resource Planning	04
IE3091	Information Systems Strategic Management	03
IT3110	Industry Placement (Non-GPA)	08

YEAR FOUR

IT4010	Research Project	16
IT4070	Preparation for the Professional World (Non-GPA)	02
IE4011	Business Process Management	04
IE4071	Practicing Business Analyst	04

Two Electives from the Follwing*

IE4040	Information Assurance and Auditing	04
IE4151	Human Resource Information Systems	04
IT4100	Software Quality Asuarance	04
IE4081	Supply Chain Management	04
IT4120	Knowledge Management	04
IE4131	Human Computer Interaction	04
IT4050	Innovation Management and Entrepreneurship	04

* Electives to be chosen with prior approval

INTERACTIVE MEDIA

Our Interactive Media degree will give you the capability to create the new varieties of interactive media content that are transforming our society and culture. The unique multidisciplinary degree brings together technical, creative and socio-cultural perspectives through Design Ideation, 3D Modeling & Animation, and Digital Video Production Etc

CAREER OPPORTUNITIES

- UX/UI Engineers
- Game Technologists
- Web Developers
- Production Managers
- 3D Modelers
- 2D/3D Visual Concept Designers
- Advertising Media Specialists
- Cinematographers
- Audio Production Specialist
- Multimedia Programmers
- Visual Concept Designers
- Game Designer/Developers
- Creative Directors
- Mobile Application Developers
- 2D/3D Animators
- Digital Marketing Specialists
- Interactive Designers
- Video/Visual Production Specialists
- Multimedia Developers
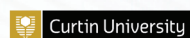- Broadcasting Technologists

ENTRY REQUIREMENTS

Passes in three subjects (in any subject stream) at the G.C.E. Advanced Level Examination(Sri Lankan/London) in one and the same sitting, and a pass at the Aptitude Test conducted by SLIIT. To progress from the second year to the third year of the program, a student must pass a selection interview.

YEAR ONE
SEMESTER 01

IT1010	Introduction to Programming	04
IT1020	Introduction to Computer Systems	04
IT1030	Mathematics for Computing	04
IT1040	Communication Skills	03

SEMESTER 02

IT1050	Object Oriented Concepts	02
IT1060	Software Process Modeling	03
IT1080	English for Academic Purposes	03
IT1090	Information Systems and Data Modeling	04
IT1100	Internet and Web Technologies	04

YEAR TWO
SEMESTER 01

IT2020	Software Engineering	04
IT2030	Object Oriented Programming	04
IT2040	Database Management Systems	04
IT2050	Computer Networks	04
IT2060	Operating Systems and System Administration	04

SEMESTER 02

IT2010	Mobile Application Development	04
IT2070	Data Structures and Algorithms	04
IT2080	IT Project	04
IT2090	Professional Skills	02
IT2110	Probability and Statistics	03
IT2100	Employability Skills Development –Seminar (Non GPA)	01

YEAR THREE

SE3011	Technical Evolution of Multimedia	04
SE3021	Design Ideation & Creative Communication	04
SE3061	User Experience Designing	03
SE3081	Digital Marketing Strategies	03
IT3050	Employability Skills Development - Seminar (Non GPA)	01
SE3031	3D Modeling & Animation	04
SE3041	Digital Video Production & Delivery	04
SE3071	Digital Image Processing	04
SE3091	Games Technology	04
IT3110	Industry Placement (Non-GPA)	08

YEAR FOUR

IT4010	Research Project	16
IT4070	Preperation for the Professional World (Non GPA)	02
SE4031	Games Development	04
SE4041	Mobile Application Design and Development	04
SE4051	Trends in Digital Media	04
SE4061	Multimedia Project Management	04

INTERNATIONAL DEGREE PROGRAMMES TO COMPLETE AT SLIIT

SLIIT | **Curtin University**

BACHELOR OF INFORMATION TECHNOLOGY
CRICOS CODE: 0100818

Information technologists, computer scientists, software engineers, programmers and other computing professionals are experts on how technology works, and how computing can address even the most complicated and intricate problems.

This course can provide you with the skills and knowledge you need for a successful career in the rapidly evolving information and communications technology industry. In your first year, you will develop your programming skills and study the fundamental theoretical knowledge of computing.

BACHELOR OF COMPUTING *(SOFTWARE ENGINEERING)*
CRICOS CODE: 0100817

Software engineers incorporate the latest technology in the design and implementation of large-scale software systems for commercial purposes. This course aims to produce graduates who are well-versed in the principles of design, measurement and analysis applied in the context of the development of software-based systems.

You will receive a strong foundation in computer science, with further emphasis on software requirements gathering, design, implementation and testing. You will also focus on communication skills, professional responsibility, ethics, interpersonal relationships, teamwork, and time management. In your final year, you will undertake an industry-based project.

BACHELOR OF SCIENCE *(COMPUTER SYSTEMS & NETWORKING)*
CRICOS CODE: 041280C

Computer networks form the backbone of modern information systems. This course will help you fully understand computer network design and development technologies so you can pursue career opportunities in this rapidly expanding field. You will develop skills in network design and management, the convergence of IT and telecommunications, embedded systems, computer hardware and software, real-time systems and IT technical support. Your focus will be on the design and support of distributed computer and telecommunications networks.

SUCCESS STORIES

Information Technology should no longer be viewed merely as a subject of study or career path. It is ubiquitous, and our technological literacy has a direct impact on how successfully we interact with the world around us. When I joined the Computer Systems and Networking program at SLIIT in 2003, the fledgling institution already had a clear vision of providing students with an environment in which to immerse themselves in cutting edge technology and ideas. This was also my first experience of true collaboration with like minded individuals; be it fellow students or staff, without being spoon-fed lessons or handheld during assignments, projects, or exams. A true preparation for the "real world" when one joins the workforce and face life in general as an adult.

The fundamentals I learned at SLIIT gave me confidence to not only face, but "ace" my interview at Fidessa, the world's #1 Equities Trading Platform providers. I subsequently worked in Technology teams at three investment banks in London; Royal Bank of Scotland, Barclays Capital, and JP Morgan. Holding a First-Class degree at the top of my batch became less relevant with time, as subject knowledge became obsolete. I believe my commitment to a lifetime of learning beyond formal education has helped me adapt to change and make progress in my career. After a ten year career in IT roles, I joined the Equities Trading Desk at JP Morgan in 2017. In today's rapid electronic Stock Markets and Algorithmic Trading world, complementary skills and experience in technology and finance are highly valued by the industry. It is an exciting job that requires mental agility and creativity. I work with a vast amount of data and help develop Artificial Intelligence based trading strategies, as well as collaborate with our technology teams so they provide true solutions to our needs. I balance my hectic work life by playing cricket for the Wimbledon Cricket Club in the Surrey League, and travelling and exploring the world with my wife Gayani.

DIMUTHU RATNAYAKE
BSc (Hons) in Computer Systems and Networking - SHU,UK
EMEA EQUITIES PROGRAM TRADING J.P. MORGAN

I am an entrepreneur, innovator and avid programmer. The foundation that SLIIT created for me, is an invaluable component, as dedicated members of staff particularly the lecturers, provided a solid sounding board to help hone my talent. Every course offered at SLIIT is incredibly competitive not just on a local but also global scale, with degrees affiliated with world-renowned universities thus giving students opportunities to gain internationally recognised qualifications right here in Sri Lanka.

As it is also cost-effective, SLIIT fits into the mould effortlessly, allowing a wider demographic access to high-quality education.

It is my vision to become Sri Lanka's premier end-to-end digital solutions provider in Mobile and Enterprise Solutions, Artificial Intelligence & Machine Learning, Immersive Technologies, and Game Design and Development, making Sri Lanka a digital hub whilst stopping 'brain drain' in the country as we are losing the cream of our talent.

SLIIT was where I laid my foundation for my success. If the support given by SLIIT was not there, I wouldn't have been able to achieve this fast. The foundation that SLIIT created for me, is an invaluable component, also the dedicated members of staff particularly the lecturers, provided a solid sounding board to help hone my talent. It is with immense pleasure I tell that the institution is deeply investing in their students' futures. Every course offered at SLIIT is incredibly competitive not just on a local but also global scale, with degrees affiliated with world-renowned universities thus giving students opportunities to gain internationally recognised qualifications right here in Sri Lanka.

There are many people who have been a strength to me during my journey: My own immediate family, Bathiya and Santhush, Saliya Weerasekara, and all the employees of Arimac family.'

CHAMIRA JAYASINGHE
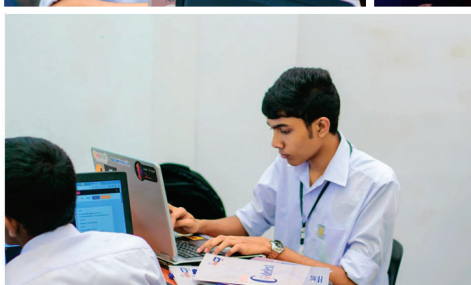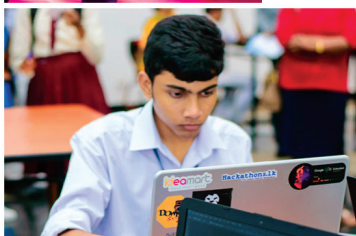BSc (Hons) in Information Technology - SLIIT
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CODEFEST

An annual event hosted by the SLIIT Faculty of Computing, this is one of the biggest software competitions aimed at encouraging and promoting software application design amongst school and university students. The annual increase in entries, fierce competition amongst students and a rise in event categories, has made Codefest an event looked forward to by many schools and universities.

'Codefest is one of the many initiatives taken by SLIIT, aimed at creating a centre of excellence to advance and disseminate knowledge. It is indeed a great honour to have one of our events recognised by the Ministry of Telecommunications and Digital Infrastructure. Codefest is an ideal platform to promote the application of skills learnt through ICT related modules taught in schools and universities' notes Professor Lalith Gamage: President and CEO of SLIIT.

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GRADE	GRADE PTS.	MARKS RANGE
A+	4.00	90 - 100
A	4.00	80 - 89
A-	3.70	75 - 79
B+	3.30	70 - 74
B	3.00	65 - 69
B-	2.70	60 - 64
C+	2.30	55 - 59
C	2.00	45 - 54
C-	1.70	40 - 44
D+	1.30	35 - 39
D	1.00	30 - 34
E	0.00	00 - 29

GRADE POINT AVERAGE (GPA) PER SEMESTER

The GPA is computed by dividing the sum of the products of the number of credits for each course followed and the grade points earned for that course by a student, by the total number of credits for the courses followed during the semester by that student.

CLASS ATTENDANCE

Regular attendance is expected from all students. 80% attendance is necessary as a minimum requirement to sit examinations. Inability to attend classes and/or examinations must be brought to the notice of the Manager of Student Affairs immediately.

WEIGHTED GRADE POINT AVERAGE (WGPA)

FACULTY	Y1	Y2	Y3	Y4
FOC	0	20%	30%	50%

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