

**POSTGRADUATE
PROGRAMME
GUIDE**
2017/2018

FACULTY OF GRADUATE STUDIES & RESEARCH



SLIIT

Discover Your Future

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About Us

SLIIT is the premier degree awarding institute approved by the University Grants Commission under the Universities Act. The institute is also a member of the Association of Commonwealth Universities (ACU) and International Association of Universities (IAU). SLIIT offers Bachelor's, Master's and PhD degrees in Computing, Business, Engineering, Architecture and Quantity Surveying. SLIIT is also the first Sri Lankan institute to be accredited by the Institution of Engineering and Technology (IET), UK for Information Technology degrees.

Our graduates are globally accepted in view of the high standards maintained. SLIIT has created a learning and research environment with optimum resources for students while encouraging students to be innovative and committed towards excellence. SLIIT aims at producing graduates with strong analytical, problem solving and communication skills.

Vision

To advance knowledge, foster and promote innovation to enrich lives and broaden horizons.

Mission

- To create a learning and research environment for our students and staff to be innovative and dedicated to excellence.
- To produce graduates with strong analytical, problem solving and communication skills to serve our nation and beyond.

Introduction to Faculty of Graduate Studies & Research

Whether you are looking to expand your horizons and enhance your skills or simply extend your qualifications, postgraduate degrees are excellent additions to your career. A Postgraduate study which is typically undertaken after a Bachelor's degree, involves in-depth and specialized education in your chosen area of interest. It includes hands-on work, extensive research and interacting with the industry professionals one-on-one to deliver innovative solution and discover the unknown.

Our postgraduate degrees have been designed to encourage outstanding research and higher studies amongst both the faculty and the students. Apart from endeavoring commercialization of research and startups, collaboration with the relevant industries in order to conduct industry-focused research is also envisioned. We harness all our effort to maintain a consistently stimulating environment to foster a positive atmosphere to all.

SLIIT has established a wide range of postgraduate degree options that are designed to mold independent, analytically strong individuals with critical thinking who would in turn become performing leaders in their respective fields. We focus on an academic approach throughout, with a strong emphasis of practical exposure and experience. This, together with our state-of-the-art facilities allow us to offer our postgraduate students a unique learning experience that enables them to succeed in the world of work. Our goal is to guide our students to reach their maximum potential, so they learn and grow on a lifelong career.

Here are the postgraduate degrees that we offer:

- MSc in Information Technology
- MSc in Information Management
- MSc in Information Systems
- MSc in Information Technology Specializing in Cyber Security
- MSc in Information Technology Specializing in Enterprise Applications Development
- MPhil Programmes
- PhD Programmes

Objectives of the Faculty of Graduate Studies & Research (FGSR)

- To encourage faculty and students to engage in high-end research and graduate studies.
- To mentor learners in the fields of computing, business and engineering to take up challenges intellectually and professionally and to achieve success in life long careers.
- To create an environment with best possible resources to enrich teaching, learning and research experience of the faculty and students.
- To collaborate with the industry to carry out industry focused research & development.
- To disseminate knowledge and outreach through conferences, seminars, workshops, technical forums and through printed material.
- To nurture creativity, innovation and academic excellence of faculty and students.
- To commercialize research outcomes that are ready to start-up ventures.
- To foster a culture which values academic integrity, honesty, pluralism and ethical behavior to the faculty and students.



Research & Development

SLIIT Research Facilities

As a leading higher educational institute in Sri Lanka, SLIIT plays an integral part in research. SLIIT strives to a vibrant research culture and embark upon make numerous initiatives have been taken to promote research among the academic and student communities. SLIIT Research grant scheme, SLIIT conferences and symposia, industry / university research collaborations, Honorary Professors Network, establishing a research center to carry out research work, integrating research methodology to undergraduate and postgraduate curricula are all meant to promote research.

Research programmes at SLIIT have gained popularity with the introduction of the research grant scheme. All academics are clustered into research groups and each group is headed by a senior academic. The senior academics as the principal investigators are eligible for the SLIIT annual research grants.

As a part of its vision and evolution, SLIIT aspires to become a research intensive University with most productive international engagements. The SLIIT Honorary Professors Network programme was launched aiming this. SLIIT researchers are offered research grants every year. These grants can be freely utilized for Research including travelling, registration research related purposes such as accessing useful research resources (e.g. on-line journals) and participation in conferences. SLIIT research seminar sessions provide all academics a platform to present their research work.



Sri Lanka Technology Incubator - Start-up Facilities

The Sri Lanka Technology Incubator (SLTI) also known as Conceptnursery is located at SLIIT Malabe Campus to promote, assist innovators and establish innovations and start-up companies by providing access to business and technical expertise, financial resources, international industry contacts, communication facilities, business advice, business plan development, and marketing.

The connected Companies / establishments use the Institute's state-of-the art facilities including modern networking infrastructure and will have access to a pool of expertise and well trained capable students to carry out research and development. Selected students will have the opportunity to work in this facility by engaging themselves in research and development projects undertaken by these resident companies.

This exposure will provide the students with valuable experience in a working environment.



SLIIT Postgraduate Degree Programmes

Master of Science

- MSc in Information Technology
- MSc in Information Management
- MSc in Information Systems
- MSc in Information Technology Specializing in Cyber Security
- MSc in Information Technology Specializing in Enterprise Applications Development

Master of Business Administration

Master of Philosophy Computing

- MPhil in Software Engineering
- MPhil in Information Technology
- MPhil in Computer Networks
- MPhil in Cyber Security

Engineering

- MPhil in Civil Engineering
- MPhil in Electrical and Electronics Engineering
- MPhil in Mechanical Engineering
- MPhil in Materials Engineering

Doctor of Philosophy Computing

- PhD in Information Technology
- PhD in Computer Networks
- PhD in Cyber Security
- PhD in Software Engineering

Engineering

- PhD in Civil Engineering
- PhD in Electrical and Electronics Engineering
- PhD in Mechanical Engineering
- PhD in Materials Engineering



MASTER OF SCIENCE DEGREE IN INFORMATION TECHNOLOGY

The Programme

Master of Science Degree in Information Technology is specially designed with a structure to provide a core of advanced knowledge in Information Technology supplemented by a range of options within the areas of Software Engineering, Computer Networks, e-business Technologies, Database Management and Administration, Business Information Systems, etc.

The degree is designed to impart knowledge to the current and emerging developments in IT as well as to provide an in-depth knowledge in advanced topics on Information Technology to master the challenges of an information driven economy government agencies searching for tomorrow's digital business thinkers and leaders.

This programme is designed to produce graduates with necessary knowledge, skills and attitudes in Information Technology, Computer Science and Software Engineering fields.

Eligibility Requirements

Candidates applying for the Master of Science Degree or Postgraduate Diploma in Information Technology shall have one of the following qualifications:

- A Bachelor of Science Honors Degree in Information Technology of the Sri Lanka Institute of Information Technology (SLIIT).
- A Bachelor of Science Honors Degree in Computer Science/ Information Technology/Software Engineering from a recognized University in Sri Lanka.
- A Bachelor's degree in a relevant field from a recognized University/Institute as approved by the SLIIT with relevant experience, where necessary.
- Membership of a recognized professional institute in a relevant field as approved by SLIIT with relevant experience, where necessary.



| Year 01 | Credits |
|------------------------------------|---------|
| Advanced Learning and Study Skills | 2 |
| Advanced Database Technologies | 4 |
| Software Engineering Practices | 4 |
| Wireless Network Technologies | 4 |

| Year 01 - Elective Modules | Credits |
|-----------------------------------|---------|
| System and Network Administration | 3 |
| Artificial Intelligence | 3 |
| Mobile and Ubiquitous Computing | 3 |

| Year 01 | Credits |
|----------------------|---------|
| DevOps | 4 |
| Research Methodology | 3 |
| Internet of Things | 4 |

| Year 01 - Elective Modules | Credits |
|----------------------------|---------|
| Data Analytics | 3 |
| Cloud Computing | 3 |

| Year 02 | Credits |
|--|---------|
| Research Project | 15 |
| Operating System Design and Implementation | 4 |
| Advanced Project Management | 3 |

| Year 02 - Elective Modules | Credits |
|--|---------|
| Secure Software Life Cycle Engineering | 3 |
| Big Data Analytics | 3 |
| Enterprise Governance of IT | 3 |

| Year 02 | Credits |
|---|---------|
| Research Project (Continuation) | 15 |
| Emerging Topics in Information Technology | 4 |
| Machine Learning | 3 |

MASTER OF SCIENCE DEGREE IN INFORMATION MANAGEMENT

The Programme

Master of Science Degree in Information Management gives the students a real competitive edge in modern business development and planning, using Information Technology tools. This programme guides students through a proven framework for integrating IT with business by developing comprehensive Information Technology Strategic Plans. The Programme empowers students with information literacy skills and the technical background necessary to function in a fast changing business environment with increased use of computer networks, electronic publishing and the Internet.

On completion of the programme the students will be able to utilize information systems effectively within organizations and be able to evaluate and select appropriate methods and technologies for representing, managing and disseminating information. This will enable the participants to develop a critical awareness of modern Information and Communication Technology in strategic management, decision making and identifying IT infrastructure. This programme is specially designed for IT graduates and professionals with managerial experience.

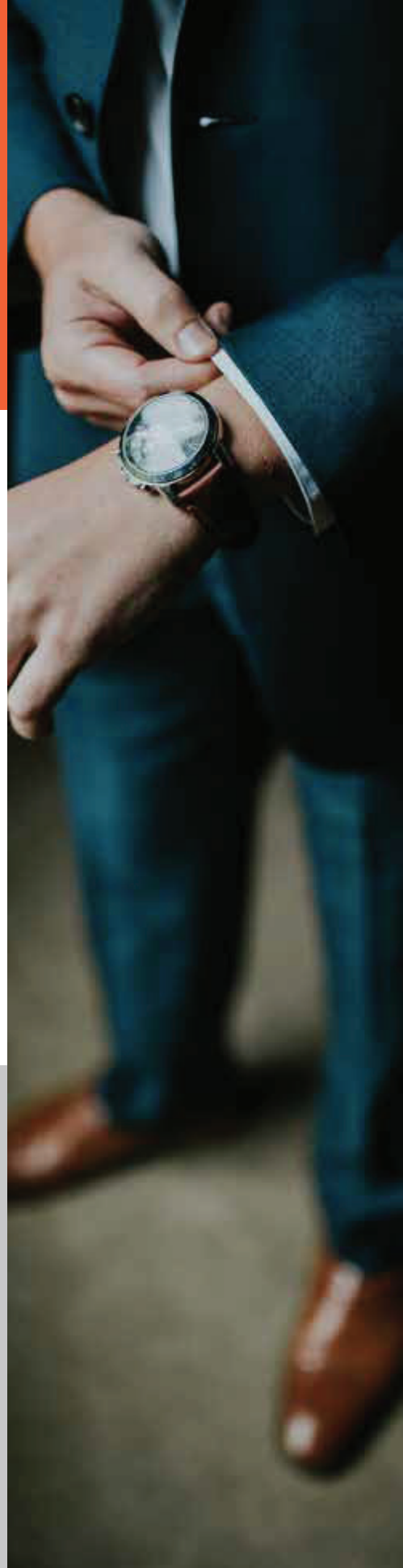
Eligibility Requirements

Candidates applying for the Master of Science Degree or Postgraduate Diploma in Information Management shall have one of the following qualifications:

- A Bachelor of Science Degree in any field from a recognized University in Sri Lanka, Or
- Any Bachelor's Degree in a relevant field from a recognized University or institute as approved by SLIIT, Or
- Membership of a recognized professional institute in a relevant field as approved by the SLIIT with relevant field experience, where necessary.

And

- One year working experience at Managerial Level



| Year 01 | Credits |
|---------|---------|
|---------|---------|

| | |
|--|---|
| Advanced Learning and Study Skills | 2 |
| Business Process Management | 3 |
| IT For Strategic Planning | 4 |
| Information Security Risk Management and Audit | 3 |

| Year 01 - Elective Modules | Credits |
|----------------------------|---------|
|----------------------------|---------|

| | |
|---------------------------------|---|
| Mobile and Ubiquitous Computing | 3 |
|---------------------------------|---|

| Year 01 | Credits |
|---------|---------|
|---------|---------|

| | |
|--|---|
| Data Analytics | 3 |
| Enterprise Application and Relationship Management | 3 |
| Business Forecasting | 4 |
| Research Methodologies | 3 |

| Year 01 - Elective Modules | Credits |
|----------------------------|---------|
|----------------------------|---------|

| | |
|-------------------------|---|
| Organizational Behavior | 3 |
| Social Computing | 3 |

| Year 02 | Credits |
|---------|---------|
|---------|---------|

| | |
|----------------------------------|----|
| Research Project | 15 |
| Information and Network Security | 3 |

| Year 02 - Elective Modules | Credits |
|----------------------------|---------|
|----------------------------|---------|

| | |
|-----------------------------|---|
| Consulting Practices | 3 |
| Advanced Project Management | 3 |
| Enterprise Governance of IT | 3 |

| Year 02 | Credits |
|---------|---------|
|---------|---------|

| | |
|---|----|
| Research Project (Continuation) | 15 |
| Emerging Topics in Information Management | 3 |

| Year 02 - Elective Module | Credits |
|---------------------------|---------|
|---------------------------|---------|

| | |
|-------------------------|---|
| Enterprise Technologies | 2 |
|-------------------------|---|

MASTER OF SCIENCE DEGREE IN INFORMATION SYSTEMS

The Programme

Master of Science Degree in Information Systems covers areas of critical importance to IT employers, such as project and change management, emerging technologies, IT strategy and governance, and compliance, security and service provision. Students will develop a strong capacity in supporting, managing and changing business processes through information and communications technology and information systems.

Students will also develop valuable transferable skills in solving business problems, collaboration, project management and application of models, frameworks, and management theory. After the successful completion of this programme, individuals can embark engaging themselves in high end top firms and government agencies searching for tomorrow's digital business thinkers and leaders.

Graduate jobs include roles such as management consultant, systems analyst/designer, IT infrastructure manager, business analyst, data architect. IS Lead Auditor, Chief Information Officer, Chief Knowledge Officer, Chief Privacy Officer, and Project Manager.

Eligibility Requirements

Candidates applying for the Master of Science Degree or Postgraduate Diploma in Information Systems shall have one of the following qualifications:

- A Bachelor of Science Honors Degree in Information Technology of the SLIIT.
- A Bachelor of Science Honors Degree in Computer Science/ Information Technology/Software Engineering from a recognized University in Sri Lanka.
- A Bachelor's degree in a relevant field from a recognized University/Institute as approved by the SLIIT with relevant experience, where necessary.
- Membership of a recognized professional institute in a relevant field as approved by SLIIT with relevant experience, where necessary.



| Year 01 | Credits |
|---|---------|
| Advanced Learning and Study Skills | 2 |
| Principles of Information Systems | 3 |
| Business Perspective in Network Design and Planning | 4 |
| Organizational Behavior | 4 |

| Year 01 - Elective Modules | Credits |
|--|---------|
| Mobile and Ubiquitous Computing | 3 |
| Information Security Risk Management and Audit | 3 |

| Year 01 | Credits |
|--------------------------------|---------|
| Advanced Database Technologies | 4 |
| IT Services Management | 4 |
| Research Methodologies | 3 |

| Year 01 - Elective Modules | Credits |
|----------------------------|---------|
| Data Analytics | 3 |
| Big Data Analytics | 3 |
| Internet of Things | 3 |

| Year 02 | Credits |
|-----------------------------|---------|
| Research Project | 15 |
| Enterprise Governance of IT | 4 |
| Advanced Project Management | 3 |

| Year 02 - Elective Modules | Credits |
|---------------------------------------|---------|
| Enterprise Resource Planning | 3 |
| Supply Chain Management and Logistics | 3 |
| Consulting Practice | 3 |

| Year 02 | Credits |
|---|---------|
| Research Project (Continuation) | 15 |
| Emerging Topics in Information Management | 3 |
| Business Process Analysis and Engineering | 2 |

MASTER OF SCIENCE DEGREE IN INFORMATION TECHNOLOGY SPECIALIZING IN CYBER SECURITY

The Programme

Master of Science Degree in Information Technology Specializing in Cyber Security intends in addressing a key global issue facing government, businesses and individuals.

The widespread use and dependence on online services bring about new challenges of ensuring our digital economy remaining secured, resilient and trusted. Increasing vulnerability witnessed by the intensity of malicious cyber activities have lead to the urgent need for specialists in the field.

Currently there is a demand for graduates with the knowledge and skills required to develop and maintain a secured computing infrastructure, handle and address cyber security threats and manage data access in a distributed network.

Eligibility Requirements

Candidates applying for the Master of Science Degree or Postgraduate Diploma in Information Technology Specializing in Cyber Security shall have one of the following qualifications

- A Bachelor of Science Honors Degree in Information Technology of the SLIIT.
- A Bachelor of Science Honors Degree in Computer Science/ Information Technology/Software Engineering from a recognized University in Sri Lanka.
- A Bachelor's degree in a relevant field from a recognized University/Institute as approved by the SLIIT with relevant experience, where necessary.
- Membership of a recognized professional institute in a relevant field as approved by SLIIT with relevant experience, where necessary.



| Year 01 | Credits |
|--|---------|
| Advanced Learning and Study Skills | 2 |
| Principles of Cyber Security | 3 |
| Applied Network Security | 4 |
| Information Security Risk Management and Audit | 3 |
| Software Security | 4 |

| Year 01 | Credits |
|--|---------|
| Applied Cryptography | 4 |
| Research Methodology | 3 |
| Information Security Management System | 3 |
| Cyber Forensics & Incident Response | 4 |

| Year 02 | Credits |
|---|---------|
| Research Project | 15 |
| Enterprise Governance of IT | 3 |
| Penetration Testing for Enterprise Security | 3 |

| Year 02 - Elective Modules | Credits |
|--|---------|
| Secure Software Life Cycle Engineering | 3 |
| Information Cyber Warfare | 3 |

| Year 02 | Credits |
|---|---------|
| Research Project (Continuation) | 15 |
| Emerging Topics in Information Management | 4 |

| Year 02 - Elective Modules | Credits |
|---|---------|
| Offensive Hacking: Tactical & Strategic | 4 |
| Mobile and Data Security | 4 |

MASTER OF SCIENCE DEGREE IN
INFORMATION TECHNOLOGY
SPECIALIZING IN

ENTERPRISE APPLICATIONS DEVELOPMENT

The Programme

The Master of Science Degree programme in Information Technology Specializing in Enterprise Applications Development is designed for those aspiring to be Software Architects. Software Engineers and Software Developers need to learn techniques and technologies to architect and engineer large scale software projects.

This programme Development will fulfill a long felt need of practicing software engineers and developers who are craving for master's level postgraduate degree to advance their career.

Eligibility Requirements

Candidates applying for the Master of Science Degree or Postgraduate Diploma in Information Technology Specializing in Enterprise Applications Development shall have one of the following qualifications:

- A Bachelor of Science Honors Degree in Information Technology of the SLIIT.
- A Bachelor of Science Honors Degree in Computer Science/ Information Technology/Software Engineering from a University in Sri Lanka.
- A Bachelor's degree in a relevant field from a recognized University/Institute as approved by the SLIIT with relevant experience, where necessary.
- Membership of a recognized professional institute in a relevant field as approved by SLIIT and one year working experience in software development.



| Year 01 | Credits |
|---|---------|
| Advanced Learning and Study Skills | 2 |
| Information, Production and Operations Management | 3 |
| Software Security | 4 |
| Designing & Developing Enterprise Systems | 4 |
| Year 01 - Elective Modules | Credits |
| Mobile and Ubiquities Computing | 3 |
| Advanced Database Technologies | 3 |
| Year 01 | Credits |
| Service Oriented Architecture | 4 |
| Case Studies | 4 |
| Change Management & Systems Implementation | 3 |
| Year 01 - Elective Modules | Credits |
| Enterprise Governance of IT | 3 |
| Data Analytics | 3 |
| Cloud Computing | 3 |
| Year 02 | Credits |
| Research Project | 15 |
| Research Methodology | 3 |
| Application Frameworks | 3 |
| Year 02 - Elective Modules | Credits |
| Secure Software Life Cycle Engineering | 3 |
| Big Data Analytics | 3 |
| Machine Learning | 3 |
| Year 02 | Credits |
| Research Project (Continuation) | 15 |
| Emerging Topics in Information Technology | 4 |
| Fault Tolerant Computing | 4 |

MBA

MASTER OF BUSINESS ADMINISTRATION

SLIIT BUSINESS SCHOOL

Searching New Frontiers in Business Administration

The Programme

- ◆ The course content of the SLIIT MBA programme has been carefully designed to meet current industry needs in consultation with industry experts and academia from locally and globally renowned institutions and approved by the Ministry of Higher Education. The SLIIT – MBA would stand out as a unique programme among MBAs offered in Sri Lanka due to its' novel attributes
- ◆ Another unique feature is the availability of renowned professors from high ranking overseas and Sri Lankan universities and professional organizations, who will deliver regular and guest lectures.
- ◆ The entire panel of lecturers will possess Ph.D. or higher educational qualifications with hands-on business experience. Others are the full-time staff of SLIIT with Ph.D. qualifications and industry experience.
- ◆ Interaction sessions with high caliber business personalities (local and foreign)
- ◆ The course content is carefully designed to cater to the current industry needs with inputs from industry experts and academia (approved by the Ministry of Higher Education)
- ◆ A Canadian tour which includes Workshop conducted by the Business School of Carlton University in Canada on latest trends in business management and technology

Eligibility Requirements

- ◆ The applicants with a Bachelor's Degree in Business Administration or related area from a recognized university are eligible to apply for the course. Those with a Bachelor's Degree in other subject areas need to have one year's post qualifying experience. Applicants with professional qualifications and two year's post-qualifying experience approved by SLIIT are also eligible to apply.



Prof. Samantha Thelijjagoda *PhD, (Gifu) , MEng, (Gifu) , BA Special (Hons) Statistics, (Sri.J)*

Prof. Pradeep Randiwela *M.Com. (Marketing) (Colombo)
MHRM. UK. B.Com. Special (Honours). (Peradeniya)*

Prof. Theekshana Suraweera *PhD (Canterbury), MBA (Sri.J), MSc (Reading-UK), MSc (Sri.J), BSc (Sri.J)*

Prof. Chandana Perera *DEng, (AIT), MEng, (AIT)*

Prof Lakshman Alles *Ph.D. (Washington), MBA (Washington),
FMeC (SL), FINSIA (Australaia)*

Prof. S. P. Premaratna *Ph.D. MPhil. (Maastricht School of Management, The Netherlands)
M.A. in Economics, (Colombo), PGD (Colombo),
B.A. Honours (Economics), (Colombo),*

Dr. Rohan Samarasinghe *PhD, (Kyushu) MBA, (Kyushu) B.Sc, (Kelaniya)*

Dr. Pradeep Abeygunawardena *PhD, (Keio), Japan B.Sc.Eng, (Moratuwa)*

Dr. Wasantha Rajapakshe *BSc. (Hons) in Public Administration, (Sri.J),
MBA, (Colombo), Ph.D., (NIDA -Thailand)*

Dr. N.N.J. Navaratne *PhD, (Keio), BSc (Sri.J)*

Dr. Kumara Uluwatta *PhD – (Wuhan University of Technology),
M.Sc. Management (Accounting Controls) (Sri.J)
B.Sc. Business Administration (Special) (Sri.J)*

Dr. M P P Dharmadasa *PhD in Business, (Bond), (MBA), (Colombo),
BSc (Sri.J), MAAT (SL)*

Dr. Athambawa Abdul Azeez *PhD, (YNU), MBA (Colombo) B.Com. (Peradeniya)*

Dr. Sarath Buddhadasa *PhD, (PIBM) , MBA (PIM-Sri.J), BA (Peradeniya)*

Dr. S. Sivarajasingham *PhD in Economics,(Utara) , MPhil (Peradeniya)*

Dr. Ajith Medis *PhD, (Management and Science University), (Malaysia)
MBA (Sri.J), BCom (Special) Hons, (Kelaniya)
Dip.M (UK) , CIM (UK) , CMA (Australia)*

Dr. P. D. Nimal *PhD, (Shiga), MBA, (Shiga), MBA, (PIM)
B.Sc. Special (Business Administration) (Sri.J)*

Dr. Nalin Abeysekera *PhD, (Colombo), MBA, (Colombo), B.Sc. (Marketing), (Sri.J)
CIM (UK), Chartered Marketer (UK), SLIM, MAAT, Dip in CMA*

Dr. Dinesh Samarasinghe *PhD (Colombo), MBA, (Colombo), B.Sc. (Marketing), (Sri.J)*

Dr. Duminda Kurupparachchi *PhD, (Canterbury), MBA, (Moratuwa) B.Sc. (Statistics), (Sri.J)*

Details of the Canadian Trip (Duration, University, Options):

One week workshop, at the Business School of the University of Carlton, compulsory for all participants of the MBA. This event will be scheduled during the first term of the second year. 50% of the cost of Air fare and accommodation will be borne by the SLIIT Business School.

Total Cost of the Program:

750,000 SLR all inclusive.

The first installment is 150,000 SLR at the time of enrollment and the balance can be paid on an installment basis commencing from the 2nd term of the programme, mutually agreed by the candidate and SLIIT Business School.

Loan/Credit/Installment Facilities:

Number of banks are offering SLIIT students loan facilities and these facilities can be made use of MBA students as well.

Discount Structure (Alumni/ staff and Others):

Alumni and staff members of SLIIT will get a 20% discount.

For others, a discount will be arranged on the basis of the number of students enrolled as a group either from a particular institution or otherwise.

If the total number of students enrolling as a group is more than 5, each in the group will be entitled to a discount of 15%.

Launching Date:

May 10, 2018 (MBA programme is scheduled to commence in July 2018).

Lecture Venue

Malabe Campus of SLIIT

Metro Campus of SLIIT, Colombo 03

Structure of MBA; Assignment based/Assessment Based:

Assignment and Examination based.

Two years.

Research Project to be complete in the second year.



EVALUATION CRITERIA AND SELECTION PROCEDURE APPLICATIONS ARE CALLED THROUGH AN OPEN ADVERTISEMENT AND THE APPLICANTS SHALL SUBMIT THE FOLLOWING DOCUMENTS

- A Completed Application Form available at sliit.lk
- Curriculum Vitae
- Personal Statement
- Official Transcript(s) from every institute attended
- 2 letters of recommendation In addition, a formal interview will be conducted

Contact Details : **Mr. Kingsley Bernard**

*Programme Coordinator/Head-IM and Senior Lecturer
Contact No: 0777 414 247*

MASTER OF PHILOSOPHY (MPhil)

The Programme

MPhil Degrees of SLIIT are offered in both Computing and Engineering fields. They are research based degrees and endeavor to make original contributions to the expansion of the knowledge-base by providing meaningful solutions to current industry problems that could subsequently evolve as emerging technologies. The degree envisages in developing critical thinking and the capacity and skills in conducting research of high value, of committed and inspired students with scientific curiosity who envision a life-long career based on research capabilities.

Eligibility Requirements

An applicant may fulfill the minimum eligibility requirements to be admitted to MPhil Programme, if he/she has any one of the following qualifications:

- A Bachelor's Honours Degree of SLQF level 6 with a minimum of 15 credits in a related field.
- A Bachelor's degree of SLQF level 5 with a minimum GPA of 3 on a scale of 0-4 and a successful completion of 30 credits equivalent to SLQF 6 in a related field.
- A qualification of SLQF level 7, i.e. a Postgraduate Certificate or above in a related field.
- Completion of NVQF level 7 with a minimum GPA of 3 in a scale of 0-4 and the successful completion of 30 credit equivalent to SLQF level 6 or above in a related field as determined by the Senate on the recommendation of the relevant Faculty.



Available Courses

Computing

- MPhil in Software Engineering
- MPhil in Information Technology
- MPhil in Computer Networks
- MPhil in Cyber Security

Engineering

- MPhil in Civil Engineering
- MPhil in Electrical and Electronics Engineering
- MPhil in Mechanical Engineering
- MPhil in Materials Engineering

Selection to the MPhil programme

Selection to the programme is based on

- Academic performance
- The strength of the research proposal
- Research capabilities demonstrated
- The strength of recommendations
- The relevance of background and experience of the candidate to the proposed research work

The shortlisted applicants will be interviewed by SLIIT. At the interview, the overall suitability of the applicant to follow MPhil programme is assessed.

Registration

Applicants are registered for the programme as MPhil Research Students (MRS), and will be given a 6 months' time period to submit a comprehensive research proposal. Subsequently qualified candidates will be registered as MPhil candidates.

Supervisors and Co-Supervisors

Applicants are advised to find a suitable supervisor and co-supervisor before provisional registration the application. The supervisor of a MPhil student should be a faculty member of SLIIT. On request, SLIIT may be able to provide some assistance to find supervisors.

Supervisors of MPhil programmes should be:

- Knowledgeable in the subject areas to be covered in the research programme,
- Holding a MPhil Degree or higher qualifications and/or a person of eminent research standing acceptable to SLIIT.



Duration : 3 Years Part time / 2 Year Full time

DOCTOR OF PHILOSOPHY (PhD)

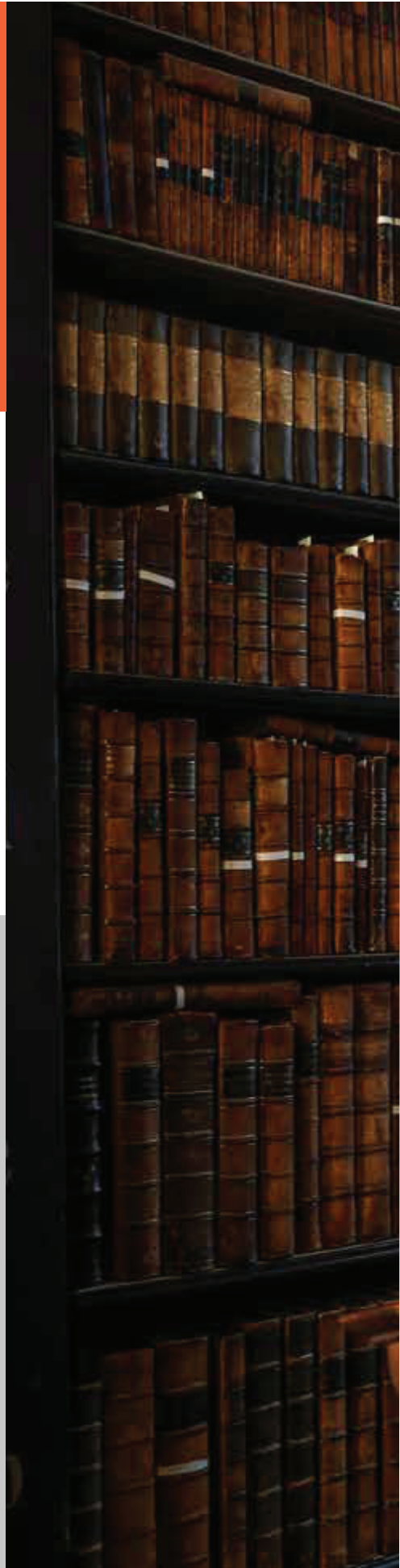
The Programme

PhD Degrees of SLIIT are offered in both Computing and Engineering fields. They are research based degrees and endeavor to make original contributions by discovery of new knowledge to foster the development of the identified thrust areas and potentially coupled with providing meaningful solutions to current industry problems that could subsequently evolve as emerging technologies. The degree envisages in developing the capacity and skills in conducting high quality research in locally important thrust areas of global value, of determined and inspired students with high scholastic aptitude who envision emerging as academics and leading researchers. SLIIT's Honorary Professors Network could also be used as an effective complementary platform for providing foreign supervisors in conducting related research.

Eligibility Requirements

An applicant may fulfill the minimum eligibility requirements to be admitted to PhD Programme, if he/she has any one of the following qualifications:

- A Master of Philosophy Degree from a recognized institution acceptable to the Senate
- A Bachelor's Honours Degree or of Level 6(SLQF) with a minimum GPA of 3.7 on a scale of 0-4, and passing the qualifying examination after a minimum period of one year with required merit acceptable to the Senate
- Registered to follow an MPhil degree programme in a related area at SLIIT and passing the qualifying examination conducted by SLIIT after a minimum period of one year with required merit acceptable to the Senate to upgrade the registration to the Degree programme.



Available Courses

Computing

- PhD in Information Technology
- PhD in Computer Networks
- PhD in Cyber Security
- PhD in Software Engineering

Engineering

- PhD in Civil Engineering
- PhD in Electrical and Electronics Engineering
- PhD in Mechanical Engineering
- PhD in Materials Engineering

Selection to the PhD programme

Selection to the programme is based on

- Academic performance
- The strength of the research proposal
- Research capabilities demonstrated
- The strength of recommendations
- The relevance of background and experience of the candidate to the proposed research work

The shortlisted applicants will be interviewed by SLIIT. At the interview, the overall suitability of the applicant to follow PhD programme is assessed.

Registration

An applicant, granted admission as a PhD Research Student (PRS), shall register with the Institute within a period of three months. They will have to submit a comprehensive research proposal within one year of registration as PhD Research Student, a panel appointed by SLIIT will evaluate the submitted research proposal, successful Students at the evaluation shall register as PhD Candidates.

Supervisors and Co-Supervisors

Applicants are advised to find a suitable supervisor and co-supervisor before the provisional registration. The supervisor of a PhD student should be a faculty member of SLIIT. On request, SLIIT may be able to provide some assistance to find supervisors through its Honorary Professors Network.

Supervisors of PhD programmes should be:

- Knowledgeable in the subject areas to be covered in the research programme,
- Holding a Doctoral Degree or higher qualifications and/or a person of eminent research standing acceptable to SLIIT.



Duration : 5 Years Part time / 3 Year Full time

Our Graduates

Best Performer Award

MSc Degree in Information Systems
Asintha Chathuranga Ambagala
DMS Software Engineering Pvt Ltd



Best Performer Award

MSc Degree in Information Management
Chanaka Dinu Handurugama Yapa
London Stock Exchange Group



Best Performer Award

MSc IT Specializing in Cyber Security
RohanaPriyantha Tissera
Pearson Lanka Pvt Ltd



Our Students



Ms. Sunethra Dawndasekare
MSc in IT

“One reason I Selected the SLIIT Masters is its highly qualified and experienced panel of lecturers.”



Ms. Chethana Liyanapathirana
MSc in IT Specializing in
Cyber Security

“The subjects are related to current trends and technologies which would helpful in the future career of any student.”



Ms. Nethmi Hettiarachchi
MSc in IT Specializing in
Cyber Security

“Really great way to gain experience in the field, build connections and networks, and receive feedback from the professional world.”

Panel of Lecturers

Faculty Staff In-house

| Name | Background |
|--|---|
| Professor Attalage R. A | BSc. Eng (Hons) Moratuwa, MEng. AIT Thailand, PhD. Ecole des Mines De Paris, France |
| Professor Thelijjagoda T. A. S. S., Professor Kapurubandara G. M.S., Professor Pulasinghe K. N. , Professor Thilakasiri H. S., Professor Perera H. S. C., | BA J'pura, MEng Japan, PhD. Gifu, Japan BSc. Colombo, MSc Comp.Sc. AIT, PhD Australia BSc. Eng (Hons) Moratuwa, PhD. Saga, MIET, MIEEE, AMIE (SL) BSc. Eng. (Hons) Moratuwa, MSc. UK, PhD USA BSc. Eng(Hons) Moratuwa., MSc. Eng. (AIT) Thailand, PhD (AIT) Thailand |
| Professor Randiwela M. G.S.P., Professor Jayawardena C. S., Dr. Gomes P. I. A., Dr. Weeraddana P. C., Dr. Ratnayake K. R. M. N., Dr. (Mrs) Samarasinghe D.P., Dr. (Mrs) Senevirathna W. D. A., Dr. (Mrs) Rankothge W. H., Dr. (Mrs) Ding M., Dr. Suraweera T., Dr. Wijesundara, M.N., Dr. Samarasinghe N.R., | B.Com (Hons) Peradeniya, M.Com Colombo, MHRM UK BSc. Eng (Hons) Moratuwa, M.Eng Moratuwa, PhD Japan BSc. Eng (Hons), Moratuwa, MSc. Moratuwa, PhD Japan BSc. Moratuwa, MEng. Thailand, D.Sc. Finland BSc. Peradeniya, MEng. Japan, PhD Japan BSc. Eng.(Hons) Moratuwa, PhD Australia BSc. J'pura, MBA Colombo, PhD Thailand BSc (Hons) SLIIT, MSc Moratuwa, PhD Barcelona BSc. Eng. China, MSc. Eng. China, PhD Canada BSc. (Hons) J'pura ,MSc ,MBA, PhD. New Zealand BEng (Hons) Warwick, PhD.NUS BSc. Kelaniya, MSc,MBA (Japan),MBA in MOT Kyushu(Japan), PhD (Kyushu Japan) |
| Dr. Kasthurirathna K. A. D. M., Dr. Abeygunawardhana P. K. W. Dr. Wijekoon W. M. J. L., Dr. Thilakumara R. P., Dr. Tharmarajah G., Dr. Kulasekara E. C., Dr. Wijewardane S. P., Dr. Somaratne A. P. N., Dr. Perera M. S. M., Dr. Abeyratne S. G., Dr. Perera S. V. T. J., Dr. Wijeratne C. J. Dr. Herath K. R. B., Dr. Liyanage M. H., Dr. Abhayasinghe K. N., Dr. Wimalasiri W. K., Dr. Jayatunga H. G. K. G., Dr. Seneviratne A. L. G., Dr. (Ms) Amarasingha R. P. N. U., Dr. (Ms) Bamunusinghe B. A. J. T., Dr. (Ms) Karunasena T.W.A., | BSc Eng. Moratuwa, MCS Moratuwa, PhD Australia BSc. Moratuwa, MSc. Japan, PhD Japan BSc. (Hons) SLIIT, MSc. Japan, PhD Japan BSc. Moratuwa ,PhD Bristol University BSc. Eng Moratuwa, PhD UK BSc. Eng Moratuwa, M.Sc. Miami, PhD Miami BSc. Moratuwa, MEng. Moratuwa, PhD USA BSc. Eng. Peradeniya, MSc USA, PhD USA BSc. Moratuwa, PhD UK BSc. Peradeniya, MEng. Japan, PhD Japan BSc. Moratuwa, Mphil. Moratuwa, PhD Japan BSc. Colombo, MS USA, PhD USA BSc.Eng Peradeniya, MSc. , PhD Peradeniya BSc. Eng. (Hons) Peradeniya, Meng. Thailand, PhD Canada BSc. Eng. Moratuwa, MSc. Moratuwa, PhD Australia BSc. Eng. (Hons) Moratuwa, PhD UK BEng. Malaysia, PhD Malaysiya BEng. (Hons) UK, PhD UK, BSc. Moratuwa, MSc. Thailand, PhD USA BSc. (Hons) Peradeniya, PhD Australia BSc. Curtin, MSc. SLIIT, PhD Australia |

Dr. (Ms) Karunaratne S. C. S.,
 Dr. Jayaruk T. C.,
 Mr. Kodagoda, G. N.,
 Mr. Mallawarachchi, Y.W.,
 Mr. Amarachchi J.,
 Mr. Rajapaksha U.U.S.K.,
 Mr. Rupasinghe P.L.,
 Mr. Sumathipala, H.K.P.,
 Mr. Udayakumara I.R.A.,
 Mr. Jayakody J.A.D.C.,
 Mr. Senarathne A.N.,

BSc. Moratuwa, MEng Japan, PhD Japan
 BSc. (Hons) Colombo, PhD USA
 BSc. (Hons) Moratuwa, M.Phil, Moratuwa
 BSc.Moratuwa, MBA Moratuwa
 BSc.J'Pura., PG.Dip. Canterbury, MSc. Colombo
 BSc. Eng (Hons)Moratuwa, M.Sc. SLIIT
 BSc.(Hons) SLIIT, MSc. SLIIT
 BSc. Colombo, MSc. Colombo
 BSc.Eng (Hons) Moratuwa, M.Sc. SLIIT
 CITP, BSc. (Hons)UK, MSc . SLIIT, MIEEE,MIET
 BSc.(Hons) SLIIT, BSc. Curtin, MSc. Colombo

Visiting Lecturers

| Name | Company/Organization Name |
|--------------------------------|---------------------------------|
| Eng. De Silva T. | Sri Lanka Telecom |
| Eng. Chandraguptha R. | Sri Lanka CERT/CC |
| Dr. Rupasinghe T. | University of Kelaniya |
| Mr. Pathirana P. | LOLC Technologies Limited |
| Mr. Fernando J. | IBM, Sri Lanka (Rt) |
| Mr. Asanka D. | Person eCollege Lanka Pvt Ltd |
| Mr. Azmeer M. | Multimedia Department, SAITM |
| Mr. Wickramasekara L. A. D. L. | FINCSIRT |
| Mr. Anushka K. P. B. | Millennium IT |
| Mr. Perera S. | EPIC Lanka |
| Ms. Perera K.L.S. | Ernst & Young |
| Mr. Attanayake D. | Mutants International Pvt Ltd |
| Ms. De Alwis G. | Consultant |
| Mr. Edirisinghe R. | Freight Links International |
| Mr. Thilakawardhene M. | ABS Information Systems Pvt Ltd |



SLIIT Library Facilities

Library facilities are available to students through the Main Library (libraries) at the Malabe and Metro Campus as well at the regional centers. They support a wide variety of subjects covered by SLIIT courses at many academic levels, ranging from undergraduate and professional development classes through to postgraduate studies. The collections comprise relevant and up to date books, periodicals and CD and DVD collection.

SLIIT has its own Automated Library System through which students can browse the range of books and periodicals available in all campuses, reserve books, Renew borrowed books and request for new books. Membership of the library entities students to access the SLIIT Digital Library with its collection of e-books, content of current journals, past examination papers, recommended texts for related courses, and a range of glossaries.

All libraries have wifi facilities and adequate workstations and allow students to bring their Laptops and Tabs to the reference desk. The Reading Room adjoining the Library is available to study and is equipped with power points for laptops and provides wireless Internet access. The Library is being enhanced continuously to cater to the increasing number of students and for the evolution and propagation of knowledge.

The libraries are open to SLIIT students daily including the weekend from 7.30 am to 7.00 p.m. They are only closed on Poya days and other special holidays indicated in the SLIIT calendar. To become a library member students have to keep a refundable security deposit of Rs 3000/=. Students have access to core textbooks, reference work, general reading materials, CDs, DVDS, a collection of current Periodicals and scholarly data bases; Free access is provided to the following databases at SLIIT Library.



** Please login to library.sliit.lk for further information*

Fees

An application processing fee of Rs. 1000/= has to be paid in the beginning of the registrations for Master of Science Degrees at SLIIT.

An application processing fee of Rs. 1500/= has to be paid in the beginning of the registrations for MPhil and PhD Programmes. Fees can be paid to the bank accounts of SLIIT at any branch.

All inclusive fee to cover lectures, tutorials, examinations, access to computer laboratory facilities and the library and is payable prior to

the commencement of the programme.

The fee should be credited to Account No 1630552 of the Bank of Ceylon in favor of Sri Lanka Institute of Information Technology, at the bank of Ceylon Colpetty branch located at first floor of BOC Merchant Tower building or at any branch of BOC. Or Sampath bank account number 003990000033 of the Sampath bank at any branch of Sampath bank. Course fees are subjected to change.

Pay in Three Installments

| | Information Technology | Information Systems | Information Management | Cyber Security | Enterprise App. Development |
|----------------------|------------------------|---------------------|------------------------|--------------------|-----------------------------|
| 01st Installment | Rs.125,000 | Rs.125,000 | Rs.125,000 | Rs.135,000 | Rs.135,000 |
| 02nd Installment | Rs.125,000 | Rs.125,000 | Rs.125,000 | Rs.135,000 | Rs.135,000 |
| 03rd Installment | Rs.100,000 | Rs.100,000 | Rs.100,000 | Rs.105,000 | Rs.105,000 |
| Total Payment | Rs. 350,000 | Rs. 350,000 | Rs. 350,000 | Rs. 375,000 | Rs. 375,000 |

- **MPhil Programmes** **Rs. 200,000**
- **PhD Programmes** **Rs. 250,000**
- **MBA Programmes** **Rs. 750,000**

- All the above payments are subject to Govt. Taxes

Fees Refund Policy

Full course fees paid will not be refunded. However, request for refund of fees may be considered if made before expire of one week from the date of commencement of lectures. From the date of commencement of lectures 90% of the paid amount will be refunded. If a request for a refund is received after one week but before the end of the month, 50% of the paid amount will be refunded. Thereafter, there will be no refunds of fees.

** Credit cards are accepted*



Performance Criteria for Awarding Degree

Method of Evaluation

The overall aim of the Msc programme is to produce Graduates who are competent in a variety of aspects of Information Technology, with the ability to apply their expertise in industrial and commercial environments.

In support of this objective, the programme is designed to develop abilities to critically analyze, design, and evaluate alternate strategies in Information Technology.

This is achieved through lectures, assignments, seminars, projects and laboratory work. Each module be assigned by a combination of assignments and a final examination.

The details of assignments, performance criteria and assessment criteria of each module are given within the specification of the module.

Participation in the Academic Programme

To become eligible to sit for examinations, 80% attendance at lectures, tutorials and other group based activities will be required.

Unless otherwise approved, participation in all prescribed in all seminars and assignments, such as: tutorials, term papers, case studies, and Project activities as envisaged in the course curriculum, is compulsory.

Awarding Degree

A candidate deemed to have passed the Masters degree if he/she has successfully completed the evaluation requirements of each and every component of the Masters programme content as given below.

- The written examination of all year 1 compulsory modules, all year 2 compulsory modules any three optional modules.

- The seminars; assignments, term papers and other project based activities.

- Collected a minimum of 45 credits from course modules offered according to the curriculum approved by the Ins tute.

Institute.

- Successfully completed the research projects carrying 15 credits.

Awarding Postgraduate Diploma

A candidate is deemed to have passed the Postgraduate Diploma if he/she has successfully completed the evaluation requirements of each and every component of the year 1 of the MastersDegree content as given below;

- The written examination of all year 1 compulsory modules, and any 2 optional modules

- The seminars, assignments, term papers and other projects based activities

- Collected a minimum of 36 credits, from course modules and 8 credits from course modules offered according to the curriculum approved by the Ins tute.

If a student is successful in any course module component, the student may be allowed in any course module component, the student may be allowed to take the same modules again as a repeat student. For that, the student must submit must assignments, and take the respective examination. Marks of assignments, midterm exam etc. cannot be carried forward. In addition, the student is advise to follow lectures whenever possible.

Repeat Examinations

Repeat students must register on a pro- rata basis before taking the respective module.

Medium of Instructions

The medium of instruction in all degree and diploma programmes offered by SLIIT is English.

Grading system

The SLIIT uses 12 grades in assessing student performance. These are A+,A,A-,B+,B,B-,C+, C, C-,D+,D and E.

To obtain a pass in a subject must score a grade "C" or above. The value of each grade and definition of student performance is shown below.

Award of Grades for Course Modules

To pass a module, student should obtain minimum grade "C" in each component. (ie the written examination and project based activities) of the course module.

Notes :

Grades C to A+ - Pass

Grades E to C- - Fail

Cumulative Grade Point Average (CGPA)

Cumulative Grade Point Average is determined by dividing the sum of the products of the number of credits earned of all courses followed and the grade points earned for those courses by the total number of assigned credits for the completed study programme.

SLIIT Qualifications Framework- Faculty of Graduate Studies and Research

Earn an Postgraduate Diploma - on successful completion of the first year of the study programme. (32 Credits)

Earn the Masters Degree - on successful completion of the two year programme. (64 Credits)

Class Awards

CGPA 3.5 - Distinction

3.0 <= CGPA < 3.5 - Merit

2.0 <= CGPA < 3.0 - Pass

Faculty Board - Faculty of Graduate Studies & Research

| | |
|------------------------------------|---|
| Professor Gamage L. | Vice Chancellor/CEO |
| Professor Ratnayake L.L. | Chancellor/Chairman |
| Professor Attalage R.A. | Dean/Faculty of Graduate Studies & Research |
| Professor Thelijjagoda S. | Dean/Faculty of Business |
| Professor Thilakasiri S. | Dean/Faculty of Engineering |
| Professor Jayawardena C. | Dean/Faculty of Computing |
| Professor Randiwela P. | External Member |
| Dr. Herath R. | External Member |
| Dr. Kulasekara C. | Faculty Board representative of FoE/ Coordinator MPhil/PhD/Engineering |
| Dr. Kasthurirathna K.A.D.M. | Faculty Board representative of FoC/ Coordinator MPhil/PhD/Computing |
| Ms. Gunawardana M. | Faculty Board representative of FoB |
| Mr. Senarathne A. | Coordinator MSc in IT (Sp.in Cyber Security) |
| Mr. Jayakody A. | Coordinator MSc in Information Systems |
| Mr. Rajapaksha S. | Coordinator MSc in Information Technology |
| Mr. Udayakumara I. | Coordinator MSc in IT (Sp.in Enterprise Applications Development) |
| Mr. Rupasinghe L. | Coordinator MSc in Information Management |
| Ms. Perera P. | Librarian |
| Mr. Mallawarachchi P. | Senior Manager Administration and HR |





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

SLIIT Malabe Campus, New Kandy Road, Malabe.

SLIIT Metro Campus, BoC Merchant Tower, # 28, St.Michael's Road, Colombo 03.



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