

# FACULTY OF ENGINEERING

## STUDENT GUIDE



COMPUTING BUSINESS ENGINEERING EDUCATION SCIENCE QUANTITY SURVEYING ARCHITECTURE INTERIOR DESIGN FASHION  
BIOTECHNOLOGY NURSING LAW FINANCIAL MATHEMATICS PSYCHOLOGY HOSPITALITY & CULINARY EVENT MANAGEMENT

# THE FUTURE AWAITS 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 Uni, a globally recognised Institute

## BE SMART. BE WISE

“The Future Awaits 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

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# MESSAGE FROM THE DEAN

PROFESSOR  
**AYANTHA GOMES**  
DEAN - FACULTY OF ENGINEERING

The Faculty of Engineering is dedicated to producing top-tier graduates who are highly sought after by industry leaders. The faculty pursues the institute's mission by focusing on excellence in higher learning, research and other professional activities. State-of-the-art facilities of the faculty and the highly qualified academic staff provide an optimal learning environment for students. The faculty boasts over a hundred full-time academic staff including more than 30 PhD holders and an equal number of postgraduate qualified academics. In addition, more than 10 professors from foreign universities through the honorary professor network, and an equal number of lecturers, professors from local universities and practising engineers from the industry support the academic delivery. The Faculty of Engineering comprises five academic departments.

The faculty currently offers four-year Bachelor of Science honours in Engineering degrees in four disciplines, approved by the Ministry of Higher Education, Sri Lanka: Civil Engineering, Electrical and Electronic Engineering, Mechanical Engineering and Materials Engineering. In Mechanical Engineering, the students may opt for the mechatronic specialization, and plans are underway for similar specializations in other disciplines. Furthermore, the Department of Quantity Surveying offers a three-year Bachelor of Science Honours degree in Quantity Surveying in partnership with the Liverpool John Moores (LJMU), UK. The Quantity Surveying degree is RICS, UK accredited and is in the process of obtaining RICS accreditation for its delivery in the faculty. In addition, starting from 2025 the faculty is expected to enroll students for the Bachelor of Science Honours in Quantity Surveying offered by SLIIT. This is the most recently approved degree by the Ministry of Higher Education and is pending gazette notification. All undergraduate programs include compulsory industrial training, providing undergraduates with valuable industry exposure. Due to the highly qualified full-time staff, state-of-the-art resources, and well-developed curricula upgraded with the industry trends and industry exposure, SLIIT Engineering graduates are well prepared to work as practising Engineers as soon as they graduate. The high employment rates of graduates are a testament to this. Additionally, students may seek enrollment in one of our partner universities through articulation agreements. This extensive list includes top-tier institutions such as the University of Queensland, Australia and many more from the UK, USA and other developed countries. The Faculty of Engineering also offers a vibrant undergraduate life for students, with many networking opportunities through societies such as the Institution of Engineers, Sri Lanka (IESL) Student Chapter.

The faculty is committed to producing future leaders, entrepreneurs and all rounders who can thrive under pressure in today's world. The Faculty of Engineering has been granted permission by the Ministry of Higher Education, Sri Lanka to offer research degrees leading to MPhil and PhD. The faculty conducts research in collaboration with state and private sector organizations, both locally and internationally. The faculty has signed several Memoranda of Understanding (MoUs) with renowned institutions, including the Chinese Academy of Sciences. Currently, nearly twenty full-time postgraduate research students are engaged in research related to MPhil and PhD degrees. Moreover, the Faculty of Engineering disseminates the research findings through publications in high-ranking journals and conferences and through its own SLIIT International Conference on Engineering and Technology (SICET) held annually. Faculty also actively participates in numerous National and International competitions, achieving many awards. As a leading higher educational institute in Sri Lanka, SLIIT will play a critical role in educating and developing high-calibre talent, and in attracting and retaining top students, faculty and visionaries across many disciplines.

As Dean of the Faculty of Engineering at SLIIT, I am grateful to our dedicated staff for their continued support in raising standards to new heights and maintaining these high standards in delivering both undergraduate and postgraduate programs. SLIIT is the first and only non-state higher education institute to date in Sri Lanka to obtain recognition from the IESL, for any degree program. Furthermore, I am grateful to the higher management for providing us with excellent educational infrastructure and a university environment to engage in our mission. There has never been a more important time than now to engage and transform the Sri Lankan talent base to look beyond the traditional economic and social boundaries, and Sri Lanka's future will indeed depend on that. The Engineering Faculty of SLIIT is prepared for this timely need in Engineering Education.



# SUCCESS STORIES



I personally experienced that the Civil Engineering curriculum at SLIIT is comprehensive and versatile, which ensures a smooth transition from undergraduate studies to graduate studies. The strong foundation laid by SLIIT helped me to reach great heights in my academic and professional life.

## **RANDULA SENARATHBANDARA**

BEng (Hons) in Civil Engineering

**PhD Student/Research Assistant University of Manitoba, Canada**

My decision to select SLIIT for my BSc degree in Electrical and Electronic Engineering has been a valuable turning point in my life. The vast amount of academic and practical knowledge given over a period of 4 years have been of great help for my successful career journey. Proper guidance offered by the experienced lecture staff have helped me perform outstandingly in the competitive industry and come a long way in a fulfilling career, along with many achievements. My gratitude will always be to the amazing lecturers and the staff for building an accomplished career and helping me to grow into a respected member in the profession.



## **JANAKA RANATHUNGA**

BEng (Hons) in Electrical and Electronic Engineering

**Executive Engineer - Automation at MAS Active Contourline**



Embarking on my PhD journey at Memorial University in Newfoundland, my focus on application of artificial intelligence for autonomous navigation of aerial vehicles traces its roots to the solid foundation laid at SLIIT. Armed with a first-class honors degree in mechanical engineering (mechatronics specialization) I seamlessly transitioned into academia as an assistant lecturer at SLIIT while pursuing my MPhil degree. Reflecting on this transformative period, SLIIT served as the crucible where my academic and research prowess was honed. The dedicated academic panel provided insightful mentorship, guiding me through the intricacies of my chosen fields. State-of-the-art laboratory facilities not only facilitated hands-on learning but also ignited my passion for experimentation. The abundance of research opportunities offered a platform to explore and contribute to cutting-edge developments. Collectively, SLIIT's unwavering support, exceptional facilities, and dynamic research environment were instrumental in shaping my journey, propelling me towards my PhD pursuits, and sculpting the professional I am today.

## **THAKSHILA THILAKANAYAKE**

BEng (Hons) in Mechanical Engineering

**Executive Engineer - Automation at MAS Active Contourline**

# ENGINEERING DEGREES

SLIIT is a pioneer in providing education in a multitude of disciplines giving students a great degree of freedom when choosing the right pathway. As such, we at the SLIIT Engineering faculty aim to instil in students the knowledge, skills and attitudes required to work in the industry as practising engineers and quantity surveyors. We are dedicated to educate and train each student to the highest standard and prepare them for employment across many levels. During their undergraduate studies, we provide them with compulsory on-the-job training, which will give them valuable hands-on experience within their respective fields of study. Our highly qualified and experienced full-time academic staff and excellent in-house state-of-the-art laboratory facilities will ensure that the students one day will leave the faculty with the best learning experience.

Our graduates will find that the qualifications they earn at SLIIT are fully recognised and Institute of Engineers Sri Lanka (IESL) conditionally recognized our Civil Engineering degree program and recognition by IESL of the other programs are currently underway. All engineering degrees awarded by SLIIT are approved by Ministry of Education Sri Lanka and University Grants Commission, and our Quantity Surveying programme is offered in collaboration with highly ranked Liverpool John Moores University (LJMU), UK. SLIIT offers first two years of the three year Quantity Surveying programme from Liverpool John Moores University (UK) and the student can fully complete the degree programme while in Sri Lanka. Furthermore, our Engineering undergraduate curricula are prepared according to the Washington Accord Accreditation requirements. Moreover, our Quantity Surveying degree is seeking accreditation by IQSSL and RICS accreditation for the local delivery at SLIIT. SLIIT is also a Member of the Association of Commonwealth Universities and International Association of Universities (IAU).

Apart from more than 10 other partnerships with leading universities in the world, the faculty of Engineering at SLIIT has partnered with the University of Queensland, which is ranked among the top 50 universities in the world, to provide interested students with the opportunity to study the first two years in Sri Lanka and complete the degree while experiencing university life at a topranked university during the final two years. Our programmes are flexible. All our graduates enjoy excellent job prospects in the industry, both local and international. Many have also secured postgraduate opportunities in highly reputed universities around the world - a testimony to the excellent standards we maintain in our programs. Furthermore, the Faculty of Engineering now offers MPhil and PhD programs in Engineering which are approved by the Ministry of Education, Sri Lanka. Students can obtain full or partial scholarships with stipends, on a competitive basis, to follow these programs.

## SLIIT BSc ENGINEERING HONOURS DEGREES

Duration : 4 Years  
Entry : February / September  
Location : Malabe  
Offered : Weekdays  
Examinations: Weekdays

**END OF 2ND YEAR : HIGHER DIPLOMA IN ENGINEERING**  
**END OF 4TH YEAR : BSc ENG HONOURS DEGREE**

# SPECIALISATIONS

## CIVIL ENGINEERING



- Structural Engineering
- Geotechnical Engineering
- Water & Environmental Engineering
- Environmental Engineering
- Transportation Engineering
- Construction Engineering

## ELECTRICAL & ELECTRONIC ENGINEERING



- Electronic Engineering
- Communications Engineering
- Electrical Engineering
- Computer Systems Engineering
- Network Engineering

## MATERIALS ENGINEERING



- Metal, Polymer, Ceramic industries
- Nanomaterial
- Design and Manufacturing
- Energy
- Research and Development
- Automobile
- Aerospace
- Building and Construction
- Research and Development

## MECHANICAL ENGINEERING



- Mechanics
- Thermodynamics
- Combustion and Energy Systems
- Aerodynamics and Fluid Mechanics
- Design and Manufacturing
- Materials and Structures
- Automobile Engineering
- Automation

## MECHANICAL ENGINEERING (MECHATRONICS SPECIALISATION)



- Control Engineering
- Electronic Engineering
- Robotics
- Industrial Automation
- Manufacturing Systems



**FACULTY OF ENGINEERING**



# CIVIL ENGINEERING

The four-year course of study leading to the degree of BSc Engineering (Hons) in Civil Engineering is carefully designed to maintain a judicious balance between theoretical foundations and practical applications. Students will be exposed to a rigorous academic programme and at the same time they will be provided ample opportunities to gain hands on experience in well-equipped laboratories and during exciting field excursions. They will also be able to acquire valuable real life engineering experience through industrial internships during the second and the third years of study.



## CAREER OPPORTUNITIES

- Civil and/or Environmental Engineering Consulting Firms
- Construction Engineering Organizations in Private and Public Sectors
- Specialist Subcontractors
- Provincial Engineering Organizations
- Municipalities and Local Government Organizations
- Civil engineering companies with computer/IT applications
- Research and Development Institutes
- Government and Regulatory Authorities
- Building Information Modeling Organisations
- Remote Sensing, Earth Observation & GIS organisations

## CIVIL ENGINEERING IS A :

- Is the engineering discipline that deals with the sustainable design and construction of the built environment that includes infrastructure such as buildings, roads, tunnels, reservoirs, harbours, etc.
- Also studies the natural environment at regional and global scales
- Is a discipline that has a good blend of fundamental knowledge and applications
- Enhances creative, innovative, and team working skills
- Degree at SLIIT is a rigorous academic program with opportunities to gain hands-on experience in well-equipped laboratories and through exciting field and desk assignments
- Students undergo six months of compulsory industrial training at the end of their 2nd and 3rd years respectively, split into two periods of three months each

## STUDENTS MAY ALSO USE THE FINAL YEAR TO PURSUE SPECIALISED OPTIONS IN:

- Structural Engineering
- Geotechnical Engineering
- Digital tools and IT
- Transportation Engineering
- Water & Environmental Engineering
- Construction Engineering

## ENTRY REQUIREMENTS

Minimum of two "C" passes and one "S" pass in GCE Advanced Level (Local) in the Physical Science Stream (Combined Mathematics, Physics and Chemistry) in one and the same sitting and a pass at the Aptitude test conducted by SLIIT OR Minimum of two "B" passes and one "C" pass in GCE Advanced Level (Cambridge or Edexcel) covering Combined Mathematics, Physics and Chemistry in one and the same sitting and a pass at the Aptitude test conducted by SLIIT



## YEAR ONE

### SEMESTER 01

CE1020	Statics and Hydrostatics	03
ME1050	Introduction to Engineering Design and Communication	04
EC1022	Electrical Systems	03
MA1112	Algebra	04
EL1203	English Language Skills I	03
CE1913	Introduction to Sustainable Engineering	02

### SEMESTER 02

ME1031	Engineering Skills Development	03
ME1060	Dynamics	03
MT1011 E	Engineering Materials	04
MA1122	Calculus	04
EC1450	Fundamentals of Programming	03
EL1213	English Language Skills II	02

## YEAR TWO

### SEMESTER 01

CE2011	Structural Analysis I	04
CE2712	Fluid Mechanics	04
CE2021	Properties and Mechanics of Materials	03
CE2211	Civil Engineering Methods	04
MA2302	Engineering Mathematics III	03

### SEMESTER 02

CE2812	Geotechnical Engineering I	03
CE2032	Structural Design I	04
CE2042	Structural Analysis II	04
CE2051	Advanced Mechanics of Materials	03
ME2720	Introduction to Thermal Processes	02
	Humanities I	02
CE2911	Industrial Training I	03
CE2940	Civil Engineering Surveying Camp	01

## YEAR THREE

### SEMESTER 01

CE3012	Structural Analysis III	03
CE3712	Pumps & Open Channel Flow	03
CE3022	Structural Design II	04
CE3811	Geotechnical Engineering II	03
CE3211	Civil Engineering Project and Cost Management	03
	Humanities II	02

### SEMESTER 02

CE3611	Environmental Engineering	03
CE3822	Geotechnical Engineering III	03
CE3411	Transportation Engineering	02
CE3420	Highway Engineering	02
CE3231	Projection Formulation	03
CE3221	Construction Technology and Methods	03
CE3922	Civil Engineering Seminar	
CE3911	Industrial Training II	03

## YEAR FOUR

### SEMESTER 01

CE4211	Comprehensive Design Project I	03
CE4221	Civil Engineering Practice, Quality and Legislation	03
CE4912	Civil Engineering Project I	03
CE4741	Engineering Hydrology	03

### SEMESTER 02

2 Elective Modules from the following		
CE4813	Advanced Foundation Engineering	03
CE4411	Traffic Engineering and Planning	03
CE4711	Water Systems & Hydraulic Structures	03
CE4011	Finite Element Methods in Structural Engineering	03
CE4041	Structural Design III	03
CE4611	Environmental Engineering Design	03
CE4950	Applied Machine Learning and Artificial Intelligence in Civil Engineering	03
CE4921	Sustainable Development in Civil Engineering	03
CE4251	Comprehensive Design Project II	03
CE4931	Civil Engineering Project II	03
CE4261	Construction Project Management	02
2 Elective Modules from the following		
CE4413	Pavement Design	03
CE4731	Environmental Hydraulics & Hydrology	03
CE4021	Structural Dynamics and High Rise Buildings	03
CE4031	Advanced Concrete Design	03
CE4940	Sensors for Civil Engineering Applications	03
CE4830	Slope Stability and Design of Earth Retaining Systems	03
CE4721	Remote Sensing and Geographic Information Systems	03

\* Electives to be chosen with the prior approval of the Academic Department

# ELECTRICAL & ELECTRONIC ENGINEERING



The BSc Engineering Honors in Electrical & Electronic Engineering program is designed with a strong emphasis on both theoretical and practical learning. It equips students with essential technical knowledge and provides hands-on experience in real-world scenarios. The course structure aims to develop interdisciplinary problem-solving skills, social awareness, and the confidence needed to produce outstanding, high-caliber engineers. The curriculum is crafted in close collaboration with industry experts, ensuring that graduates are well-prepared to meet industry demands. Additionally, students will acquire the vital skills expected in the field, making them highly competent and industry-ready professionals.

## CAREER OPPORTUNITIES

- Electrical Engineer
- Electronics Engineer
- Power Systems Engineer
- Control Systems Engineer
- Telecommunications Engineer
- Automation Engineer
- Renewable Energy Engineer
- Embedded Systems Engineer

## STUDENTS MAY ALSO USE THE FINAL YEAR TO PURSUE SPECIALISED OPTIONS IN:

- Electrical Power Engineering
- Telecommunication
- Data communication
- Renewable Energy
- Robotics
- Machine Learning
- Internet Of Things and Big Data Analytics
- Automation and Process control etc

Students are also required to complete a mandatory 24-week industrial training program, divided into two 12-week sessions, at the end of their second and third years.

## ENTRY REQUIREMENTS

Minimum two "C" passes and one "S" pass in G.C.E. A/L (Sri Lanka) in the Physical Science Stream (Combined Mathematics, Physics and Chemistry) in one and the same sitting or minimum two "B" passes and one "C" pass in G.C.E A/L Cambridge or Edexcel covering Mathematics, Physics and Chemistry in one and the same sitting, and pass the Aptitude Test conducted by SLIIT.

## YEAR ONE

### SEMESTER 01

CE1020	Statics and Hydrostatics	03
EC1022	Electrical Systems	03
MA1111	Engineering Mathematics I	04
ME1050	Introduction to Engineering Design and Communication	04
EL1203	English Language Skills I	03
CE1913	Introduction to Sustainable Engineering	02

### SEMESTER 02

EC1450	Fundamentals of Programming	03
MA1121	Engineering Mathematics II	03
MT1010	Engineering Materials	04
ME1031	Engineering Skills Development	03
ME1060	Dynamics	03
EL1213	English Language Skills II	02

## YEAR TWO

### SEMESTER 01

ME2821	Fluid Mechanics and Thermodynamics	03
EC2093	Foundations of Digital Design	03
EC2203	Electrical Circuits	03
EC2493	Object Oriented Programming	03
EC2132	Microcomputers	03
MA2111	Engineering Mathematics III	03

### SEMESTER 02

EC2140	Analogue Electronics	03
EC2113	Signals and Systems	03
EC2220	Electrical Machines and Power Systems	03
EC2731	Data Structures and Algorithms	03
EC2403	Computer Networks	03
MA2121	Engineering Mathematics IV	03
Humanities I	2	
Industrial Training I		

## YEAR THREE

### SEMESTER 01

EC3250	Electrical Measurements and Instrumentation	03
EC3613	Communication Engineering I	03
EC3503	Control Systems	03
EC3013	Electronic Design	03
EC3193	Electrical Machines and Stability	03
EC3550	Robotics and Controls	03

### SEMESTER 02

ME3260	Industrial Project Management	02
ME3250	Engineering Economics	02
EC3203	Engineering Electromagnetics	03
EC3103	Advanced Digital Design	03
EC3033	Power Electronics	03
EC3213	Power Systems Analysis	03
Humanities II	03	
Industrial Training Part 2		

## YEAR FOUR

### SEMESTER 01

EC4830	Comprehensive Design Project	03
EC4840	Individual Research Project	02
EC4920	Legal Environment in Electrical Engineering	02
EC4930	Entrepreneurship Skills Development	01
ME4112	Industrial Management and Marketing	03
EC4650	Communication Engineering II	03
EC4440	Data Communication and Networking	03
EC4710	Embedded Systems Programming	03
EC4483	Computer Vision and Image Processing	03
EC4553	Digital Signal Processing	03
EC4530	Machine Learning	03
EC4213	Electrical Power Transmission and Distribution	03
EC4261	High Voltage Engineering	03

### SEMESTER 02

EC4040	Electronic Engineering Project	04
4 Elective Modules from the following *		
EC4462	Computer Structures	03
EC4031	Medical Electronics	03
EC4212	Electrical Power Transmission & Distribution	03
EC4231	Electromagnetic Propagation	03
EC4552	Digital Signal Processing	03
EC4241	Introduction to Smart Grid Control	03
EC4471	Information Theory & Error Control Coding	03
EC4482	Computer Vision & Image Processing	03
EC4492	Neural & Fuzzy Systems	03
EC4502	Instrumentation & Control	03
EC4511	Industrial Automation & Process Control	03
EC4522	Network Management & Security	03
EC4531	Internet Technologies	03
EC4541	Distributed Computing	03
EC4672	Wireless Communications	03
EC4252	Renewable Energy Systems	03

\* Electives to be chosen with the prior approval of the Academic Department

# MATERIALS ENGINEERING



Materials Engineers are the vanguards of discovering the best material solutions for products. From designing the perfect combination of components for an aeroplane wing to developing materials for medical implants, they build the foundations of new technology and groundbreaking progress.

## CAREER OPPORTUNITIES

- Materials Engineer
- Polymer Engineer
- Composite Engineer
- Materials Processing Engineer
- Failure Analysis Engineer
- Corrosion Engineer
- Materials Performance Engineer
- Metallurgist
- Ceramic Engineer
- Materials Development Engineer
- Research and Development Engineer
- Quality Assurance Engineer
- Semiconductor Processing Engineer

## STUDENTS MAY ALSO USE THE FINAL YEAR TO PURSUE SPECIALISED OPTIONS IN:

- Advanced Engineering Materials
- Magnetic Materials
- Energy Materials
- Electronic Materials
- High Temperature Materials
- Bio – Materials

Students undergo a compulsory industrial training programme of 6-month duration at the end of their 2nd & 3rd years respectively, split into 3 months each.

## ENTRY REQUIREMENTS

Minimum of two “C” passes and one “S” pass in GCE Advanced Level (Sri Lanka) in the Physical Science Stream (Combined Mathematics, Physics and Chemistry) in one and the same sitting and a pass at the Aptitude test conducted by SLIIT OR Minimum of two “B” passes and one “C” pass in GCE Advanced Level (Cambridge or Edexcel) covering Combined Mathematics, Physics and Chemistry in one and the same sitting and a pass at the Aptitude test conducted by SLIIT

**YEAR ONE**  
**SEMESTER 01**

CE1011	Engineering Mechanics	04
ME1010	Engineering Design & Processes	04
EC1021	Electrical Systems	03
MA1302	Engineering Mathematics I	03
EL1202	English Language Skills I	03
CE1912	Introduction to Sustainable Engineering	02

**SEMESTER 02**

ME1030	Engineering Skills Development	03
ME1040	Engineering Principles & Communication	04
MT1010	Engineering Materials	04
MA1312	Engineering Mathematics II	03
EC1441	Engineering Programming	03
EL1212	English Language Skills II	02

**YEAR TWO**

**SEMESTER 01**

CE2721	Fluid Mechanics and Thermodynamics	04
ME2011	Mechanics of Solids I	03
MT2020	Metals & Alloys	03
MA2302	Engineering Mathematics III	03
ME2021	Mechanics of Machines I	04
MT2010	Material structure and defects	04

**SEMESTER 02**

ME2030	Manufacturing Processes I	03
MT2040	Ceramics Engineering	03
MT2060	Material Processing	03
MT2070	Material Characterisation Techniques	03
ME2051	Mechanical Design I	03
MT2050	Chemical thermodynamics and phase equilibria	04
CE3910	Humanities I	
MT2080	Industrial Training I	

**YEAR THREE**

**SEMESTER 01**

ME3031	Mechanics of Solids II	04
MT3010	Plastics & Rubber	03
ME3100	Manufacturing Processes II	03
MT3030	Construction & Building Materials	03
ME3041	Mechanics of Machines II	04
MT3020	Phase transformation and Kinetics	04
CE3910	Humanities II	

**SEMESTER 02**

MT3040	Corrosion Engineering	03
MT3050	Nanomaterials & Nanotechnology	03
ME3081	Engineering Management	03
ME3091	Law for Engineers	03
MT3070	Welding & Joining Processes	03
ME3052	Mechanical Design II	03
MT3060	Composite Materials	04
MT3080	Industrial Training II	

**YEAR FOUR**

**SEMESTER 01**

MT4010	Materials Engineering Project I	04
ME4111	Industrial Management & Marketing	03
3 Elective Modules from following:		
MT4030	Advanced Engineering Materials	03
MT4050	Materials Modelling	03
MT4060	Surface Engineering	03
MT4070	Magnetic Materials	03
ME4091	Energy Technology and Sustainability	03
ME 4081	Computer-aided design and manufacture	03
ME 4050	Computer-aided engineering	03

**SEMESTER 02**

MT4080	Materials Engineering Project II	04
MT4090	Material Application & Design	03
MT4100	Recycling & Sustainable Materials	03
2 Elective Modules from following:		
MT4110	High Temperature Materials	03
MT4120	Advanced Manufacturing Processes	03
MT4130	Energy Materials	03
MT4140	Bio-Materials	03
MT4150	Electronic Materials	03
ME4160	Product Design	03
ME4140	Design for Manufacture	03

•Electives to be chosen with the prior approval of the Academic Department  
•Available only for Materials Engineering with Mechanical Design option  
•Not available for Materials Engineering with Mechanical Design option

# MECHANICAL ENGINEERING

Mechanical engineering is the study and development of machines and systems that have useful applications. Mechanical engineers apply the principles and problem-solving techniques of engineering from design to manufacture and marketplace for any product or solution. Mechanical engineering involves systems that use principles of motion, energy, and force ensuring the designs to function safely, efficiently, and reliably at a competitive cost. It is a highly diversified field of engineering. It involves areas such as mechanics, thermodynamics, combustion and energy systems, aerodynamics and fluid mechanics, design and manufacturing and mechatronics.



The mechanical engineering degree has a set of state-of-the-art subjects intended to provide the required knowledge and hands-on skills. The degree program includes lectures, labs, engineering design work and projects. The Mechanical curriculum has been designed in consultation with the industry and academic experts in the field. Hence, the graduates could pursue careers in both academia and industry.

## CAREER OPPORTUNITIES

- Mechanical Engineer
  - Automation Engineer
  - Design and Manufacturing
  - Industrial Engineer
  - University Lecturer
  - Automobile Engineer
  - Maintenance Engineer
  - Thermal Engineer
  - Entrepreneur
  - Researcher
- Mechanical Engineering is a pioneering and broadest field of Engineering and presently diversified into several specialities.
  - The Mechanical Engineering undergraduate degree typically begins with basic introductory Engineering courses.
  - Once students begin to focus on their major they can expect to find courses in design, manufacturing, mechanics, thermodynamics, and materials.
  - Graduates of a Mechanical Engineering program will have both academic and lab experience with projects in the various disciplines that apply directly to Mechanical Engineering.

## ENTRY REQUIREMENTS

Minimum of two "C" passes and one "S" pass in GCE Advanced Level (Local) in the Physical Science Stream (Combined Mathematics, Physics and Chemistry) in one and the same sitting and a pass at the Aptitude test conducted by SLIIT OR Minimum of two "B" passes and one "C" pass in GCE Advanced Level (Cambridge or Edexcel) covering Combined Mathematics, Physics and Chemistry in one and the same sitting and a pass at the Aptitude test conducted by SLIIT



## YEAR ONE

### SEMESTER 01

CE1011	Engineering Mechanics	04
ME1010	Engineering Design & Processes	04
EC1021	Electrical Systems	03
MA1302	Engineering Mathematics I	03
EL1200	English Language Skills I	03
CE1912	Introduction to Sustainable Engineering	02

### SEMESTER 02

ME1030	Engineering Skills Development	03
ME1040	Engineering Principles & Communication	04
MT1010	Engineering Materials	04
MA1312	Engineering Mathematics II	03
EC1441	Engineering Programming	03
EL1212	English Language Skills II	02

## YEAR TWO

### SEMESTER 01

ME2011	Mechanics of Solids I	03
CE2712	Fluid Mechanics I	04
ME2021	Mechanics of Machines I	04
ME2031	Engineering Drawing	04
MA2302	Engineering Mathematics III	03

### SEMESTER 02

ME2041	Thermodynamics	03
ME2051	Mechanical Design I	03
ME2100	Manufacturing Processes I	03
ME2170	Electrical Plant	03
ME2081	Engineering Sustainable Development	03
	Humanities I	
Industrial Training 1		
ME2911	Industrial Training I	03

## YEAR THREE

### SEMESTER 01

ME3012	Thermal Engineering Processes	03
ME3100	Manufacturing Processes II	03
ME3031	Mechanics of Solids II	04
ME3041	Mechanics of Machines II	04
	Humanities II	

### SEMESTER 02

ME3052	Mechanical Design II	03
ME3061	Fluid Flow Modelling	03
ME3020	Automatic Control I	03
ME3640	Mechatronics Systems	03
ME3081	Engineering Management	03
ME3091	Law for Engineers	03
Industrial Training 2		
ME3911	Industrial Training II	

## YEAR FOUR

### SEMESTER 01

ME4250	Mechanical Engineering Research Project	03
ME4300	Comprehensive Design Project	03
ME4071	Production and Operations Management	03
ME4132	Professional Practice	02
2 Elective Modules from the following:		
ME4111	Industrial Management and Marketing	03
ME4021	Advanced Engineering Materials	03
ME4030	Vibration	03
ME4050	Computer Aided Engineering	03
ME4081	Computer Aided Design and Manufacture	03
ME4091	Energy Technology and Sustainability	03
ME4101	Refrigeration and Air Conditioning	03

### SEMESTER 02

ME4250	Mechanical Engineering Research Project	03
ME4300	Comprehensive Design Project	03
ME4181	Industrial Engineering	03
ME4220	Automotive Engineering	03
2 Elective Modules from the following:		
ME4140	Design for Manufacturing	03
ME4150	Automatic Control II	03
ME4160	Product Design	03
ME4170	Noise	03
ME4190	Advanced Manufacturing Processes	03
ME4201	Energy Conservation & Management	03
ME4210	Fluid Power Systems and Machinery	03

*\* Electives to be chosen with the prior approval of the Academic Department*

# MECHANICAL ENGINEERING

*(MECHATRONICS SPECIALISATION)*

Mechatronics is the synergistic integration of mechanics, electronics and computer engineering towards developing automated products and systems. Mechatronic Engineers provide solutions to robotics, automated manufacturing, smart products and other contemporary engineering problems.

It is a very modern and emerging area of engineering. Through mechatronics students gain a specialized knowledge on robotics, industrial automation, sensors, instrumentation, control systems and artificial intelligence. Mechatronic engineers possess a broad multidisciplinary knowledge in engineering together with hands on skills to implement such systems.

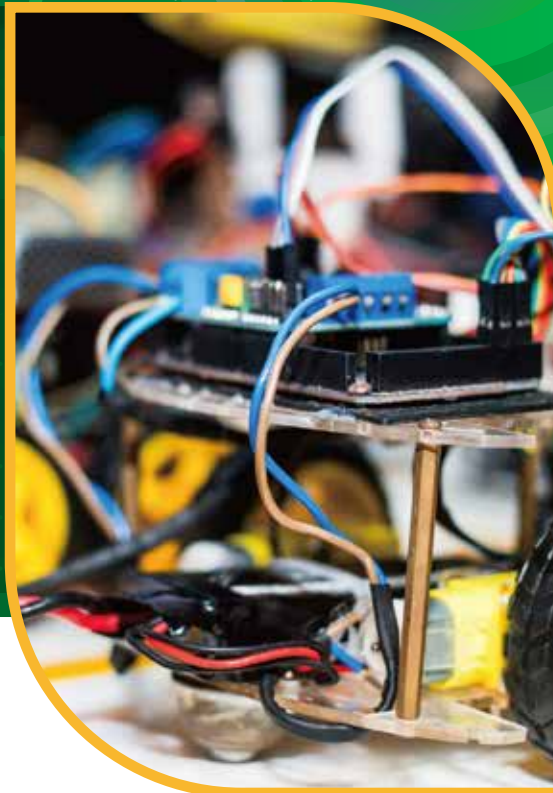
Mechatronics Specialization in Mechanical Engineering has a set of state-of-the-art subjects intended to provide the required knowledge and hands-on skills. The degree program includes lectures, labs, engineering design work and projects. The Mechatronics curriculum has been designed in consultation with the industry and academic experts in the field. Hence, the graduates could pursue careers in both academia and industry.

## CAREER OPPORTUNITIES

- Mechanical Engineer
- Electronics Design Engineer
- Instrumentation Engineer
- Data Scientist/Big Data Analyst
- Entrepreneur
- Researcher
- Robotics Engineer
- Automation Engineer
- Control Systems Engineer
- Software Engineer
- University Lecturer

## ENTRY REQUIREMENTS

Minimum of two "C" passes and one "S" pass in GCE Advanced Level (Local) in the Physical Science Stream (Combined Mathematics, Physics and Chemistry) in one and the same sitting and a pass at the Aptitude test conducted by SLIIT OR Minimum of two "B" passes and one "C" pass in GCE Advanced Level (Cambridge or Edexcel) covering Combined Mathematics, Physics and Chemistry in one and the same sitting and a pass at the Aptitude test conducted by SLIIT



## YEAR ONE

### SEMESTER 01

CE1011	Engineering Mechanics	04
ME1010	Engineering Design and Processes	04
EC1021	Electrical Systems	03
MA1302	Engineering Mathematics I	03
EL1200	English Language Skills I	03
CE1912	Introduction to Sustainable Engineering	02

### SEMESTER 02

ME1030	Engineering Skills Development	03
ME1040	Engineering Principles and Communication	04
MT1010	Engineering Materials	04
MA1312	Engineering Mathematics II	03
EC1441	Engineering Programming	03
EL1212	English Language Skills II	02

## YEAR TWO

### SEMESTER 01

EC2092	Foundations of Digital Design	03
ME2021	Mechanics of Machines I	04
EC2202	Electrical Circuits	03
ME2680	Computer Aided Drawing	03
MA2302	Engineering Mathematics III	03
ME2610	Mechatronics Design Project I	03

### SEMESTER 02

ME2510	Electronics for Mechatronic Engineers	03
ME2541	Mechatronic Systems Engineering	03
ME2041	Thermodynamics	03
EC2212	Electromagnetic and Electromechanical Energy Conversion	03
ME2620	Manufacturing Technology	03
ME2650	Mechatronics Design Project II	03
	Humanities I	
ME2911	Industrial Training I	

## YEAR THREE

### SEMESTER 01

ME3512	Embedded Systems Engineering	03
ME3620	Control Systems	03
ME3660	Computer Aided Design and Manufacture	03
ME3531	Solid Mechanics and Mechanical Design	03
ME3110	Fluid Mechanics and Hydraulic Machinery	03
ME3580	Automation Systems	03
	Humanities II	

### SEMESTER 02

EC3032	Power Electronics	03
EC3102	Advanced Digital Design	03
ME3081	Engineering Management	03
ME3091	Law for Engineers	03
ME3571	Mechatronic Systems Modelling	03
ME3610	Design of Mechatronic Systems	03
ME3911	Industrial Training II	

## YEAR FOUR

### SEMESTER 01

ME4500	Mechatronics Research Project	03
ME4600	Comprehensive Design Project	03
ME4521	Advanced Automation Systems	03
ME4071	Production and Operations Management	03
ME4132	Professional Practice	02
2 Elective Modules from the following:		
ME4111	Industrial Management and Marketing	03
EC4012	Power Electronics and Drives	03
ME 4630	Artificial Intelligence and Machine Learning	03
ME 4650	Industrial Machine Vision	03
EC4432	Embedded Systems Engineering II	03
ME4091	Energy Technology and Sustainability	03

### SEMESTER 02

ME4500	Mechatronics Research Project	03
ME4600	Comprehensive Design Project	03
ME4181	Industrial Engineering	03
2 Elective Modules from the following:		
ME 4541	Robotics and Autonomous Systems	03
ME4150	Automatic Control II	03
ME 4550	Object Oriented programming for Mechatronics Engineers	03
ME4220	Automotive Engineering	03
ME4670	Advanced Topics in Mechatronics Engineering	03
ME4570	Micro-Mechatronics	03

\* Electives to be chosen with the prior approval of the Academic Department

# QUANTITY SURVEYING

The study programme will cover subject areas ranging from measurement, estimating and costing, cost management, contract administration, project management and quantity surveying practice. The teaching staff consist of experienced academic and professional Quantity Surveyors, Engineers, and other highcalibre subject specialists. The LJMU degree in Quantity Surveying, will open up many other professional avenues for graduates. This degree will also allow entry to Masters programmes in areas such as Contracts and Negotiation, Procurement Advising and Consultation, Arbitration, Cost Controlling, Cost Planning and Project Management.

## CAREER OPPORTUNITIES

The Quantity Surveying programme being nested at the Faculty of Engineering of SLIIT, offer students a unique chance to collaborate with other professionals involved in the construction field such as Engineers and Architects, for an overall understanding of the building process and project experience.

**Duration** : 3 Years  
**Entry** : January / June  
**Location** : Malabe  
**Offshore** : Weekdays / Weekend  
**Examinations** : Weekdays / Weekend

## ENTRY REQUIREMENTS

Minimum 3 'S' passes in G.C.E A/L (Sri Lanka) or a minimum 3 'D' passes in G.C.E A/L Cambridge or Edexcel from Physical Science stream in one sitting AND Compulsory 'C' pass for English at GCE O/L (Sri Lanka/ Edexcel / Cambridge) and a pass at the Aptitude Test conducted by SLIIT

or

Minimum 3 "S" passes in G.C.E A/L (Sri Lanka) or a minimum 3 'D' passes in G.C.E A/L Cambridge or Edexcel from Biological Science/ Commerce Stream/ Engineering Technology stream in one sitting AND Compulsory 'B' pass for Mathematics and 'C' pass for English at GCE O/L (Sri Lanka/ Edexcel/ Cambridge) and a pass at the Aptitude Test conducted by SLIIT.



## YEAR ONE SEMESTER 01

QS1511	Construction Technology 1	04
QS1521	Science and Material	04
MA1101	Mathematics for Quantity Surveyors	02
QS1910	Communication Skills I	02
QS1451	Construction Drawing	03

## SEMESTER 02

QS1811	Introduction to Law	04
QS1121	Measurement and Costing	04
QS1920	Communication Skills II	02
QS1711	Management Theory and Practice	04
QS1490	IT Application for Quantity Surveying II	04

## YEAR TWO SEMESTER 01

QS 2531	Construction Technology 2	04
QS 2721	Construction Project Management	04
QS 2550	Land Surveying	02
QS 2111	Advanced Measurement and Contract Administration	04

## SEMESTER 02

QS 2211	Construction Procurement	04
QS2311	Collaborative Interdisciplinary Project 2	02
QS2411	Research Methods	03
QS2441	Specification Writing	02
QS 2821	Construction Contract Law	04
QS2940	Industrial Training I	05

## YEAR THREE SEMESTER 01

6537 BESL	Contract and Procurement Strategies	20
6539 BESL	Project Economics and Management	20
6536 BESL	Advanced Quantity surveying Project	10

## SEMESTER 02

6535 BESL	Research Project	30
6538 BESL	Engineering Measurement	20
6540 BESL	Business Management and Entrepreneurship	20

*\* Electives to be chosen with the prior approval of the Academic Department*

# INTERNATIONAL DEGREE PROGRAMMES TO COMPLETE AT SLIIT



THE UNIVERSITY  
OF QUEENSLAND  
AUSTRALIA

CREATE CHANGE

## BACHELOR OF ENGINEERING (Hons)

### ABOUT THE PROGRAMME

With your major in Civil Engineering, you will focus on the areas of Infrastructure design, planning, development, construction and maintenance. Students will be able to apply their knowledge through practical work experience and an exciting final year research project that will give them hands-on industry experience. Work as a qualified Professional Civil Engineer in the areas of Design, Development Construction and Management in a wide range of fields, including Structures, Transportation, Water Supply and Treatment, and Infrastructure.

## BACHELOR OF ENGINEERING (Hons) ELECTRICAL

### ABOUT THE PROGRAMME

The Bachelor of Engineering Honors Electrical programme gives students the opportunity to get hands-on with a range of advanced technologies - including automated test equipment, embedded real-time controllers, sensors, and the Internet of Things. As Electrical Engineering professional students get to focus on interpreting requirements and designing and implanting engineering solutions which optimise social, environmental, and economic sustainable outcomes over the full lifetime of the engineering product or project.

## BACHELOR OF ENGINEERING (Hons) MECHANICAL

### ABOUT THE PROGRAMME

The Bachelor of Engineering (Hons) Mechanical degree offer students the fundamental skills of design, innovation, and systems improvement. After students graduate, their professional skills will allow them to work with some of the country's biggest corporations as a Professional Engineer in the automotive, aeronautical, industrial, domestic or transportation industries in modern mechanical technology, systems, or specialist sales.

## BACHELOR OF ENGINEERING (Hons) MECHATRONIC

### ABOUT THE PROGRAMME

Mechatronic engineers are highly sought after for roles involving artificial intelligence systems, robotics, automated industrial machinery and avionics. Mechatronic engineers are expected to play a significant role in the fourth industrial revolution. In mechatronic engineering you'll explore concepts and practical applications in areas including artificial intelligence, signal and systems theory, and control theory. This knowledge will also be integrated with computer science as you learn how mechanical and electrical components work together.

### ENTRY REQUIREMENTS

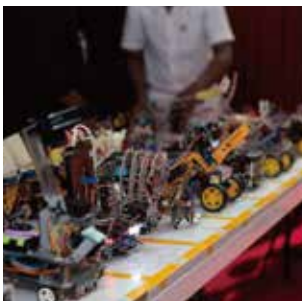
Minimum of two "C" passes and one "S" pass in GCE Advanced Level (Local) in the Physical Science Stream (Combined Mathematics, Physics and Chemistry) in one and the same sitting and a pass in the Aptitude test conducted by SLIIT OR Minimum of two "B" passes and one "C" pass in GCE Advanced Level (Cambridge or Edexcel) covering Mathematics, Physics and Chemistry in one and the same sitting and pass the Aptitude test conducted by SLIIT.



# ROBOFEST



ROBOFEST is an annual robotics competition organized by the Department of Electrical & Electronics Engineering at the Sri Lanka Institute of Information Technology. The competition's journey began in 2010 when it was exclusively open to students of the Sri Lanka Institute of Information Technology. In 2011, the event expanded its horizons, inviting students from across the nation to participate in school, undergraduate, and open competitions. By ROBOFEST 2012, the platform was accessible to school pupils and undergraduates from all corners of Sri Lanka. The most recent event, ROBOFEST 2023, was an inclusive gathering, welcoming students from schools and universities throughout Sri Lanka. It even extended its reach to industrial professionals eager to showcase their local innovations. The remarkable interest displayed by students from across the country underscores the profound impact ROBOFEST has made on young minds over the years, forging a new path into the world of robotics. The School Category Champion for ROBOFEST 2023 was Microbolt group from Nalanda College, while in the University Category, the Champions were Warlocks from University of Moratuwa, ROBOFEST's mission is to provide school and undergraduate students with a platform to design, build, and acquaint themselves with cutting-edge technologies in the realm of robotics. This competition offers every student the opportunity to shine and showcase their talents on the grand stage.



# SICET



The SLIIT International Conference on Engineering and Technology 2023 (SICET 2023) was set to offer a unique platform for participants to discuss emerging trends in the fields of Engineering, and its allied branches. Organised by the Faculty of Engineering, SICET 2023 was held in hybrid mode, with both physical and online sessions. Held for the second consecutive year, SICET 2023 aims to foster a multidisciplinary approach to engaging in innovation and research as well as provide a unique opportunity for academics, student researchers as well as industry member to showcase their pioneering ideas. Participants can also interact with peers from a wide spectrum of engineering disciplines. SICET 2023 theme was 'Sustainability in Engineering and Technology' and compared to last year they have enhanced the content and have organised pre-conference workshops for industry participants. The committee also invited our own academics, MSc students and PhD students, as well as the final year research students in addition, to other research organisations (local & foreign) and industry (local & foreign) organisations to participate in the event. Therefore, this conference provided the unique platform for academics, student researchers as well as industry members to showcase their pioneering ideas and to interact with peers from a wide spectrum of engineering disciplines



# FACULTY OF ENGINEERING UNIQUE SELLING PROPOSITING

- Well-experienced, highly-qualified, full-time academic staff including 4 Professors & 28 lecturers with PhDs
- State-of-the-art laboratory and studio facilities in-house to conduct all undergraduate degree programs
- Well funded research program with permission to grant postgraduate research degrees leading upto MPhil and PhD
- Transition to university life through the Engineering First Year unit (EFY)
- Curricula prepared in line with the Outcome Based Education (OBE) system, targeting local and foreign accreditations of degrees
- Curricula also developed in consultation with relevant industries to produce more finely-tuned graduates suited to both local and foreign landscapes
- Received accreditation by Engineers Australia (EA) for Curtin degrees
- Awaiting RICS accreditation of the QS degree program
- Well-rounded graduates with industry exposure during the degree through industrial training, industry visits, individual and group research and design projects
- Engineers graduate with essential skills in addition to engineering skills
- Cultivating leadership, communication skills, teamwork and ethics through various projects and extracurricular activities such as SLIIT's Got Talent, Young Engineering Expo Esala Pandol, RoboFest, etc.



## HEADS OF DEPARTMENTS



### DR. LASANTHA SENEVIRATNE

**HEAD, DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING**  
Ph.D. (QMUL, UK), B.Eng (Hons)



### PROF. MIGARA LIYANAGE

**HEAD, DEPARTMENT OF MECHANICAL ENGINEERING**  
BSc Eng (Peradeniya), MEng (Thailand), PhD (Canada), P.Eng



### DR. MUDITH KARUNARATNE

**HEAD, DEPARTMENT OF MATERIALS ENGINEERING**  
BSc Eng (Moratuwa), PhD (Cambridge)



### MR. TILANKA WIJESINGHE

**HEAD, DEPARTMENT OF QUANTITY SURVEYING**  
BSc (Hons) QS, PG Dip. (Proj. Mgt.), A.I.Q.S.SL



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### DR. RUWAN CHANDRASENA

**HEAD, DEPARTMENT OF CIVIL ENGINEERING**  
BSc Eng(Hons) (UOM), MPhil (UOM), PhD (Saitama, Japan)

# ACADEMIC STAFF

Prof.	H. S. Thilakasiri	BSc.Eng(Hons) (Moratuwa), MSc (Lond, UK), PhD (USF, USA)	Dean / Senior Professor
Dr.	G. Tharmarajah	BSc (Moratuwa), PhD (QUB, UK)	Associate Dean/
Prof.	P. I. A. Gomes	BSc Eng(Hons) (Moratuwa), MSc (Moratuwa), PhD (Saitama, Japan)	Head/Civil Engineering
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Prof.	A. L. G. Seneviratne	Beng (Hons) (QMUL), PhD (QMUL, UK)	Senior Lecturer (HG)
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Mr.	T. Wijesinghe	BSc (Hons) QS (Moratuwa), PG Dip (Moratuwa)	Senior Lecturer & Head/Dept. QS
Mr.	A. Martin	-	Head - Industrial Training Division
Prof.	H. S. C. Perera	BSc (Hons) (Moratuwa), MSc , PhD (AIT, Thailand)	Senior Professor
Prof.	E. C. Kulasekere	BSc (Moratuwa), MSc (Miami, USA), PhD (Miami, USA)	Professor
Prof.	S. C. S. Karunaratne	BSc (Moratuwa), M.Eng. (Saitama, Japan), PhD (Saitama, Japan)	Professor
Prof.	P.K.W. Abeygunawardhana	BSc Eng (Hons) (Moratuwa), MSc (Keio,Japan), PhD (Keio Japan)	Professor
Prof.	J.A.D.N. Kumara	PhD (UCD, Ireland) , MSc(EMU,Cyprus), BSc (DUET,Pakistan)	Professor
Prof.	S.D.G.S.P.Gunawardane	PhD.(MulT, Japan)	Professor (On Contract)
Prof.	U. G. A. Puswewala	BSc.(Moratuwa) , M. Eng (AIT,Thailand), PhD (University of Manitoba,Canada)	Professor (On Contract)
Prof.	W.P.S. Dias	PhD (Nottingham)	Professor (on Contract)
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Dr.	H. Y. Weeratunge	PhD (Australia)	Assistant Professor
Dr.	R.E.Wijesinghe	PhD (Kyungpook National, South Korea) BSc. (Kyungpook National, South Korea)	Assistant Professor
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Mr.	P. W. Sarath	Bsc ( Moratuwa )	Senior Academic Fellow
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Ms.	T. D. Amarasooriya	BSc (Southeast Missouri, USA)	Lecturer
Ms.	G. H. S. P De Silva	BSc (Hons) QS (Salford, UK), MSc in CLDR (Moratuwa)	Lecturer
Mr.	P. Coomasaru	PGD (Colombo), MBS (Colombo)	Lecturer
Ms.	K.A.N. Gunarathna	BSc (Hons) QS (Moratuwa), MA (Colombo)	Lecturer
Mr.	H G G K Rangajeewa	BSc Eng (Moratuwa), MBA (Moratuwa)	Academic Fellow
Ms.	T.G.Jathunga	BSc (SLIIT)	Lecturer (Tenure Track)
Ms.	P.A.C.B.Allis	BSc (Hons) QS (Moratuwa), Dip In Arbitration	Lecturer (Tenure Track)
Ms.	B. K. C. Perera	BSc.(Hons) (Quantity Surveying)	Lecturer (Tenure Track)
Mr.	W.A.N.D.Wedasingha	BSc.(Hons)(SLIIT)	Lecturer (Tenure Track)
Mr.	K. V. D Vidurapiya	Bsc (Hons) (SLIIT)	Lecturer (Tenure Track)
Ms.	M. D. D. Perera	Beng ( Hons ) ( SLIIT ) , MPhil ( SLIIT )	Lecturer (Tenure Track)
Mr.	P.W.U.S.Perera	Bsc (Hons) ( Moratuwa )	Lecturer (Tenure Track)
Mr	K. D. M. Perera	Bsc ( Hons ) ( Moratuwa ), MEng ( Canada )	Lecturer (Tenure Track)
Ms.	R.Kotambage	Bsc ( Ruhuna )	Lecturer (Tenure Track)
Ms.	S Ganesh	M.Phil (SLIIT) BSc (SLIIT)	Lecturer (Tenure Track)
Mr.	J.M.S.M. Jayasekara	Bsc Eng (Hons) (SLIIT)	Lecturer (Tenure Track)
Mr.	M.S.U.Fernando	M.Eng (Hons) (Moratuwa), BSc (SLIIT)	Lecturer (Tenure Track)
Mr.	F. Weerakkody	-	Visiting Consultant
Mr.	S. Thimothies	-	Visiting Academic
Mr.	K Amaraweera	-	Consultant Professor
Mr.	N. Jayamaha	-	Training Engineer



# BSc HONOURS GRADES AND REQUIREMENTS

## GRADING SYSTEM

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, a student must score a grade 'C' or above. The value of each grade and definition of student performance is shown below.

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%
FOB	10%	20%	30%	40%
FOE				

# WHAT'S NEXT?

Embark on your pathway to greatness with our extensive degree programme options at SLIIT. Please follow the application guidelines below.

**Option 01:**

Apply Online : [apply.sliit.lk](http://apply.sliit.lk)

**Option 02:**

Download the application form [apply.sliit.lk](http://apply.sliit.lk)

Send the duly filled application form to

Manager Student Enrollment, SLIIT, New Kandy Road, Malabe

**Option 03:**

Obtain the application form from any of our campuses or centres

**Option 04:**

Call our hotline for further information

## 011 754 4801

🌐 [www.sliit.lk](http://www.sliit.lk)

✉ [info@sliit.lk](mailto:info@sliit.lk)

*"The Institute reserves to itself the right to effect, at any time during the course of programmes, amendments to the curriculum of its programmes to meet emerging needs of the industry/business and/or in response to the requirements of professional and accreditation bodies."*

### CAMPUSES :

- **SLIIT MALABE CAMPUS**  
New Kandy Road,  
Malabe.

Tel : +94 11 754 4801  
Fax : +94 11 241 3901

- **KANDY UNI**  
KENGALLA,  
KUNDASALE,  
Kandy.

Tel : +94 81 754 4888

- **NORTHERN UNI**  
No 239, ARASADY ROAD,  
KANTHARMADAM,  
JAFFNA.

Tel : +94 11 754 4801  
HOTLINE : +94 77 147 1471

### CENTRES :

- **SLIIT METROPOLITAN CAMPUS**  
Boc Merchant Tower  
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Fax : +94 11 230 1906

- **SLIIT KURUNEGALA CENTRE**  
No. 8th,  
Dambulla RD  
Kurunegala.

Tel : +94 37 720 4204

- **SLIIT MATARA CENTRE**  
No. 24, 5TH Floor,  
E.H.Cooray Building,  
Anagarika Dharmapala Mawatha,  
Matara.

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