

2023 FACULTY OF ENGINEERING

STUDENT GUIDE



THE NEXT YOU

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

BE SMART. BE WISE

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

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

CONTENTS

MESSAGE FROM THE DEAN	04
SUCCESS STORIES	05
INTRODUCTION TO THE FACULTY	06
SPECIALISATIONS	07
CIVIL ENGINEERING	08
ELECTRICAL & ELECTRONIC ENGINEERING	10
MATERIALS ENGINEERING	12
MECHANICAL ENGINEERING	14
MECHANICAL ENGINEERING (MECHATRONICS SPECIALISATION)	16
QUANTITY SURVEYING	18
INTERNATIONAL DEGREE PROGRAMMES	20
ROBOFEST	21
FACULTY OF ENGINEERING UNIQUE SELLING PROPOSITIONS	22
HEADS OF THE DEPARTMENTS	23
ACADEMIC STAFF	24
GRADES & REQUIREMENT	26
WHAT HAPPENS NEXT	27



[WWW.SLIIT.LK](http://www.sliit.lk)

MESSAGE FROM THE DEAN

At the Faculty of Engineering, we aim to produce world class graduates readily employable in industry. The faculty pursues the institute's mission by focusing on excellence in higher learning, research and other professional activities in engineering. A new engineering complex with state-of-the art facilities is available for students to achieve high level of learning experience under the guidance of more than hundred highly qualified fulltime academic staff consisting of more than 29 PhD holders and 20 more with postgraduate qualifications. Furthermore, the in-house academic staff is assisted in the delivery of undergraduate programs by more than 10 professors from foreign universities in the honorary professor network (HPN), more than 10 lecturers/professors from local universities and the industry experts.

The Faculty of Engineering comprises of five academic departments. The faculty at present offers Ministry of Higher Education, Sri Lanka approved four year Bachelor of Science of Engineering Degrees in four disciplines; Electrical and Electronic Engineering, Civil Engineering, Mechanical Engineering and Materials Engineering. Under these four major disciplines, we offer over eight specializations, including the specialization in Mechatronic Engineering. Further, the Department of Quantity Surveying in the Faculty of Engineering offers the highly recognized three year Bachelor of Science Honours degree in Quantity Surveying in partnership with the Liverpool John Mores (LJMU), UK. The Quantity Surveying degree we offer is RISC accredited in UK and we are in the process of getting the RICS accreditation for our delivery in the Faculty as well.

We are very proud of the fact that we possess in-house state-of-the-art laboratory facilities to conduct all undergraduate degree programs offered by us. All our undergraduate programs have compulsory in-built industrial training within their respective fields of study and they get the industry exposure while pursuing the undergraduate degrees in the faculty. Due to the highly qualified full time staff, state-of-the-art resources, well developed curricular upgraded with the industry trends and the industry exposure, we have witnessed that large number of our undergraduates find local and foreign job opportunities within a short period of their graduation.

Apart from the above stated undergraduate degrees, we were granted permission by the Ministry of Higher Education, Sri Lanka to offer research degrees leading to MPhil and PhD. We carry out research in collaboration with state institutions, local industry, international institutions and foreign industry. Close to twenty fulltime postgraduate research students are currently engaged in their research work seeking the aforementioned postgraduate research degrees. Moreover, the Faculty of Engineering disseminates the research findings through publications in high rank journals and conferences, and through its own SLLIT International Conference on Engineering and Technology (SICET 2022).

As a leading higher educational institute in Sri Lanka, SLIIT will play a critical role in educating and developing high talent, and in attracting and retaining good local and international students, faculty and visionaries across its many disciplines. As the Dean of the Faculty of Engineering of SLIIT, I am grateful to all our staff for their continued support in raising our standards to greater heights, and maintaining that

high standards in delivering both undergraduate and postgraduate degrees. Furthermore, I am grateful to our parent institution, SLIIT, for providing us with necessary resources, excellent educational infrastructure and university environment to engage in our mission. There has never been a more important stage to engage and transform the talent base that can look beyond the traditional economic and social boundaries, and Sri Lanka's future will indeed depend on that.

**PROFESSOR
SAMAN
THILAKASIRI**
DEAN - FACULTY OF ENGINEERING



SUCCESS STORIES



As an Engineer, I believe in "Innovation is the key to success". SLIIT opened the door for me to enter the path of design and innovation. From many degree programs offered at SLIIT, I selected the Mechanical Engineering program affiliated with the Curtin University of Australia. This also helped me to become a graduate member of Engineers Australia.

In December 2016, while I was waiting for my final year results, I have joined 3D Concept Studio, a prototyping and innovation-based organization as a Design Engineer. With the successful completion of my degree, I continued to work on new product designs at 3D Concept Studio. And with 100% commitment and the passion to develop new designs, I got promoted as the Engineering Manager at 3D concepts studio in the year 2018. Now I manage projects from idea-phase to final design and the final prototype, helping many individuals and organizations to make their ideas a reality. At 3D concept Studio, we also took the initiative to conduct sessions for the public, students, and corporates about the 3D Designing and Fabrication. I also got

the opportunity to input my knowledge and skills in providing solutions for many industries such as the electronic industry, medical industry, manufacturing industry, etc. I was also able to successfully design and fabricate devices to convert Scuba Gear into CPAP masks for ICU patients and face shields for medical staff to fight the COVID-19 pandemic.

Thinking back, all these opportunities I have received to make the world a better place was thanks to the exposure and strength given to me by SLIIT. Without a doubt, I can say that SLIIT laid a strong foundation for my career as an Engineer.

YASIRU SENANAYAKE

BEng (Hons) in Mechanical Engineering

Manager Engineering - 3D Concept Studio Private Limited



I developed my earliest passion for academic research when I was an undergraduate student at SLIIT, faculty of Engineering. Guided exposure to develop research skills provided by the experienced lecture panel contributed to build my path of becoming a curious researcher. I graduated with a First Class in BSc (Hons) in Civil Engineering and I received the merit award for academic excellence in the field of Civil Engineering at 2017 convocation. I worked as an Instructor and an Assistant Lecturer at the Department of Civil Engineering of SLIIT after graduation. Currently I am reading for Ph.D. in Civil Engineering at the University of Manitoba, Canada. I recently received Price Graduate Scholarship for Women in Engineering for my academic achievements at the University of Manitoba.

I was the Secretary of Sri Lanka Association of Institute of Civil Engineers (SLAice) Student Chapter in 2015/ 2016 office tenure. I currently serve as the Treasurer for Canadian Water Resources Association (CWRA) Student and Young Professionals Chapter in Winnipeg, Canada.

I personally experienced that Civil Engineering curriculum at SLIIT is comprehensive and versatile which ensured 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

BSc (Hons) in Civil Engineering

PhD Student/Research Assistant - University of Manitoba, Canada

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' knowledge, skills and attitudes required to work in the industry as practicing 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 recognized. All engineering degrees awarded by SLIIT are approved by the Ministry of Higher Education of Sri Lanka under the Universities Act. Furthermore, our undergraduate curriculum is outcome-based in compliance with the Washington Accord Accreditation through the Institution of Engineers, Sri Lanka (IESL). SLIIT is also a Member of the Association of Commonwealth Universities and International Association of Universities (IAU).

At SLIIT, students will also have the option of pursuing the Engineering programs offered by Curtin University, Australia and the Quantity Surveying programs offered by Liverpool John Moores University (LJMU), UK. Our programmes are flexible: for example, students are able to exit a course if faced with restrictive circumstances and rejoin the programme later (subject to relevant registration procedures). 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 which are approved by the Ministry of Higher 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

ACADEMIC & PROFESSIONAL RECOGNITION

- Approved by the University Grants Commission under the Universities Act / Ministry of Higher Education in Sri Lanka (MOHE)
- Member of the Association of Commonwealth Universities (ACU)
- Member International Association of Universities (IAU)
- This degree allows students the following options, upon successful completion of the prescribed modules

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 studies 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 long vacations of 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
- Research and Development Institutes
- Government and Regulatory Authorities

CIVIL ENGINEERING IS A :

Professional engineering discipline dealing with the design, construction and maintenance of the physical and built environment

Concerned with works such as: buildings, roads, railways, bridges. Dams, reservoirs, tunnels, water ways, underground structures, ports and offshore structures.

An excellent blend of scientific and engineering fundamentals, and essential practical skills.

Problem and project – based learning is a key feature of the degree programme.

Enhances creative, innovative and teamwork skills.

Includes project work based on laboratory experiments, literature research, field work and partial assessments completed through seminars.

Students also 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 (SE)
- Geotechnical Engineering (GE)
- Environmental Engineering (EE)
- Transportation Engineering (TE)
- Water & Environmental Engineering (WE)
- Construction Engineering (CE)

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 & Hydrostatics	03
EC1022	Electrical Systems	03
MA1111	Engineering Mathematics I	04
ME1050	Introduction to Engineering Principles, Design & Communications	04
CE1913	Introduction to Sustainable Engineering	02
EL1203	English Language Skills I	03

SEMESTER 02

ME1060	Dynamics	03
ME1031	Engineering Skills Development	03
EC1450	Fundamentals of Programming	03
MT1011	Engineering Materials	04
MA1121	Engineering Mathematics II	04
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	03
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
2 Elective Modules from the following		
CE4811	Foundation Engineering I	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

SEMESTER 02

CE4921	Sustainable Development in Civil Engineering	03
CE4251	Comprehensive Design Project II	03
CE4931	Civil Engineering Project II	03
CE4261	Construction Project Management	03
2 Elective Modules from the following		
CE4821	Foundation Engineering II	03
CE4421	Pavement Design and Maintenance	03
CE4731	Environmental Hydraulics & Hydrology	03
CE4021	Structural Dynamics and High Rise Buildings	03
CE4031	Advanced Concrete Design	03

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

ELECTRICAL & ELECTRONIC ENGINEERING

With a strong focus on building theoretical and practical based study, the BSc Engineering Honours in Electrical & Electronic Engineering provides appropriate technical knowledge in Electrical & Electronic Engineering including hands on experience in practical scenarios. The course is structured also to gain interdisciplinary problem solving skills, social awareness and confidence required to build outstanding high caliber engineers. The curriculum of BSc Engineering Honours in Electrical & Electronic Engineering is developed in close consultation with the industry, so that the graduates are well suited with the demands of the industry. The students will also gain the essential skills expected in the industry.

CAREER OPPORTUNITIES

- Electronic
- Telecommunication
- Electrical Power
- Data Communication
- Networking

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

- Electronic Engineering (EN)
- Communications Engineering (CE)
- Electrical Engineering (EE)
- Computer Systems Engineering (CS)
- Network Engineering (NE)

Students also undergo a compulsory 24 weeks industrial training at the end of their 2nd and 3rd years respectively, split into 12 weeks each.

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
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.

Mechanical Design Specialisation

There is a growing demand for materials engineers who can design products making the best use of materials. The Mechanical Design specialisation is aimed at producing materials engineers who are also equipped with design skills

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
- Materials modelling
- 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	04
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	03
MT3080	Industrial Training II	04

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.

<i>Duration</i>	: 3 Years
<i>Entry</i>	: January / June
<i>Location</i>	: Malabe
<i>Offshore</i>	: Weekdays / Weekend
<i>Examinations</i>	: Weekdays / Weekend

ENTRY REQUIREMENTS

- GCE Advanced Level (Any Stream) - 3 simple passes (Local Curriculum)
- Minimum 3 "D" passes (Cambridge / Edexcel curriculum)
- "C" Pass for Mathematics and English at GCE Ordinary Level
- A pass in 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



Curtin University

BEng (Hons) CIVIL & CONSTRUCTION ENGINEERING

CRICOS CODE: 072467B

Civil engineers design and construct infrastructure such as bridges, roads, harbours, highways, dams, irrigation and water supplies, hydro-electric projects, tall buildings and other large structures. As our built environment becomes increasingly complicated, ambitious construction projects can only be completed by teams of people with different skills. The civil engineer is important in this process.

In this degree you will learn to apply your basic engineering knowledge to structural analysis and design, materials, geotechnical engineering, construction engineering, hydraulics and professional practice. In your final year you will consolidate these engineering skills to the level of an engineering graduate. Speciality options include the environment, transport, public health or advanced structural design.

BEng (Hons) ELECTRICAL & ELECTRONIC ENGINEERING

CRICOS CODE: 072467B

Electronic engineering is one of the fastest growing technology area internationally, and job opportunities in this field abound. With the rapid progress of the information society, the role of electronic communication and embedded systems (Internet of Things or IoT) is becoming even more crucial to increase industry efficiency and competitiveness.

In this specialisation you will learn about the theoretical and practical aspects of modern digital, electronic and communication systems. You will study power generation and distribution, electrical machines, electronics and power quality, as well as renewable energy sources, alternative fuel systems and future energy infrastructures. In your final year of study, you will undertake a major research or design project.

BEng (Hons) MECHANICAL ENGINEERING

CRICOS CODE: 072467B

Mechanical engineers analyse and develop technological systems that involve motion. They help society to harness the energy and forces that exist in nature. This course is designed to provide you with learning and skill development opportunities with hands-on experience. You will learn how to apply your knowledge and skills to invent or develop solutions to a wide range of exciting and challenging problems in industry.

You will appreciate the applicability of the multidisciplinary problem-solving skills of a mechanical engineer across areas of science and wide spectrum of engineering endeavours that extends all the way to biomedical engineering. In your final year you will undertake an individual design or research project.

BEng (Hons) MECHATRONIC ENGINEERING

CRICOS CODE: 072467B

Mechatronic engineers work at an interface of mechanical devices and electronic control systems. With ever-increasing reach of robotics and autonomous systems, mechatronics engineers are found in diverse industries including aerospace, agriculture, biotechnology, mining and energy resources. As the number of industries that are innovating through digital technologies grows, so do the opportunities for mechatronic engineers. Rapid advances in automation applications - such as self-driving vehicles and mine sites automation - are driving an increased need for mechatronic engineers with expertise in Mechanical, electronic and computer systems engineering.

As a mechatronic engineering student, you will develop sound theoretical knowledge in the key disciplines of mechanics, electronics, computer systems and control. You will apply this knowledge and develop practical skills through a series of projects on topics including mobile robot communications and automation, pneumatic automation systems and machine control.

ROBOFEST



SLIIT ROBOFEST is recognized as the premier robotic competition in Sri Lanka. This year's event was no exception with record participants vying to demonstrate their talents. In addition, the competition provided youth an unparalleled platform to learn, showcase and nurture their AI and tech-related skills.

The school's category was conducted across two levels. Over 100+ entries were received, and the organizers provided a technical document including instructions and guidelines for participants to create a simple robot and submit a video. After elimination, 38 participants were selected for the final competition.

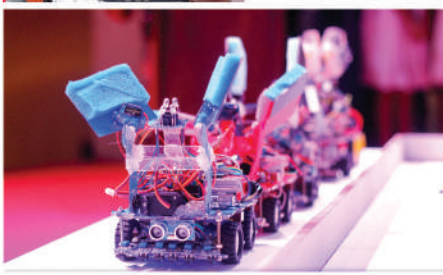
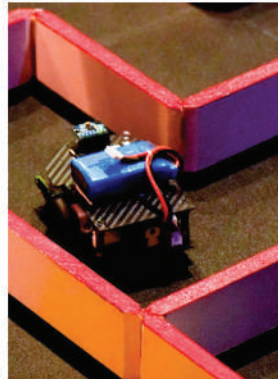
For the Schools category First Place was awarded to 'Trojan 22' of St. Joseph's College, Nugegoda, Second Place 'Line Follower Bot' of Thakshila College, Gampaha and Third Place was 'Sinon' from D.S. Senanayake National School, Ampara. Consolation prizes were presented to Ralphy Boy from Maliyadeva College, Kurunegala, and two teams - 'Ultra' and 'CYBERNOTS DSS' both from D.S. Senanayake National School.

The Primary prize sponsor was Sri Lanka Institute of Robotics (SLIR) while the Consolation Prize was awarded by Magicbit and technical support extended by MEU Labs.

The University Category was conducted from the 25 to 26 September. Places for the University category were hard-fought and not awarded. While the Principal Sponsor was Zone 24/7, the Consolation Prize was presented to 'Team C' from the Sir John Kotelawala Defense University. The Platform sponsors for the event were Orange and ACCEL.R. Contributing to hosting and organizing the event were the SLIIT Faculty of Engineering, the Media Unit and SLIIT students at the Institute of Electrical and Electronics Engineers. (IEEE)

Prior to the finals, SLIIT organized several informative seminars and a webinar for students and university undergraduates interested in participating in ROBOFEST 2022. The seminars drew avid interest among students, with a large number of participants helping to build a strong AI and Robotics community expanding the robotics ecosystem in the country.

The seminars also raised awareness on new technologies generating excitement prior to the commencement of the competition. Seminars were conducted at Sandalanka Central College and at St. Thomas's College, Matara and an online webinar was facilitated by Roshan Premaratne, representing SLIR. Organizers used social media tools to provide enhanced support and information to participants as required including FAQs.



FACULTY OF ENGINEERING UNIQUE SELLING PROPOSING

- 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.

CAREER OPPORTUNITIES INCLUDE

- Civil Engineers, Highway Engineers and Environmental Engineers in design, construction and planning
- Electrical and Electronics Engineers in Computer Systems Engineering, Electrical Engineering, and Robotics & Automation
- Mechanical and Mechatronics engineers in design, fabrication and operations
- Materials engineers in design, manufacturing and Nano-materials
- Quantity Surveyors
- Managerial positions

HEADS OF DEPARTMENTS



PROF. AYANTHA GOMES

HEAD, DEPARTMENT OF CIVIL ENGINEERING

BSc (Eng) Hons (Moratuwa), MSc (Moratuwa), PhD (Saitama University, Japan)
CEng, MIE(SL)



PROF. SUJEEWA HETTIWATTE

HEAD, DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

BSc (Eng) Hons (Moratuwa), MEng. (Moratuwa), PhD (Manchester), MIEEE



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

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
Dr.	S.N. Hettiwatte	BSc Eng (Moratuwa), MEng.(Moratuwa), PhD(UMIST)	Head/ Electrical & Electronic Engineer
Prof.	M. H. Liyanage	BSc Eng (Hons) (Peradeniya), MEng (AIT, Thailand), PhD (Newfoundland, Canada)	Head/Mechanical Engineering
Dr.	S.A.M Karunaratne	BSc Eng (Hons) (Moratuwa), PhD (Cambridge, UK)	Head/Materials Engineering
Mr.	T. Wijesinghe	BSc (Hons) QS (Moratuwa), PG Dip (Moratuwa)	Senior Lecturer & Head/Dept. QS
Prof.	H. S. C. Perera	BSc (Hons) (Moratuwa), MSc , PhD (AIT, Thailand)	Senior Professor
Prof.	S. C. S. Karunaratne	BSc (Moratuwa), M.Eng. (Saitama, Japan), PhD (Saitama, Japan)	Professor
Prof.	E. C. Kulasekere	BSc (Moratuwa), MSc (Miami, USA), PhD (Miami, USA)	Professor
Prof.	U. G. A. Puswewala	BSc.(Moratuwa) , M. Eng (AIT,Thailand), PhD (University of Manitoba,Canada)	Professor (On Contract)
Prof.	S.D.G.S.P.Gunawardane	PhD.(MulT, Japan)	Professor (On Contract)
Prof.	R. P. N. U. Amarasinghe	BSc. Eng (Moratuwa), MSc. Eng (TU, Thailand) , PhD (KSU, USA)	Associate Professor
Prof.	M. S. M. Perera	BSc Eng (Hons) (Moratuwa), PhD (Loughborough,UK)	Associate Professor
Dr.	K. N. Abhayasinghe	BSc (Moratuwa), MSc (Moratuwa), PhD (Curtin, Australia)	Assistant Professor
Dr.	S. V. T. J. Perera	BSc Eng(Hons) (Moratuwa), Mphil (Moratuwa), PhD (Saitama, Japan)	Senior Lecturer (HG)
Dr.	A.P.N. Somaratna	BSc Eng (Peradeniya), MSc (Illinois, USA), PhD (Illinois, USA), C.Eng, MIE (SL)	Senior Lecturer (HG)
Dr.	P D Dharmaratne	BSc.(Peradeniya), MEng.(Moratuwa), PhD.(Moratuwa)	Senior Lecturer (HG)
Dr.	R.P.Thilakumara	BSc (Hons) (Moratuwa), PhD (Bristol, UK)	Senior Lecturer (HG)
Dr.	A. L. G. Seneviratne	Beng (Hons) (QMUL), PhD (QMUL, UK)	Senior Lecturer (HG)
Dr.	M. A. L. P. Malasinghe	M.Eng (Hons) (Nottingham, UK), MSc (Moratuwa), PhD	Senior Lecturer (HG)
Dr.	M. Ding	BSc Eng, MSc Eng (Beijing, China), PhD (Queens, Canada)	Senior Lecturer (HG)
Ms.	G. L. Fernando	BSc (Peradeniya), MEng (Moratuwa)	Senior Lecturer
Mr.	H.M.G.M. Herath	BSc Eng (Moratuwa), MBA (J'pura)	Senior Lecturer
Dr.	W.K. Wimal Siri	BSc Eng (Hons) (Moratuwa), PhD (New Castle UT, UK)	Senior Lecturer (HG)
Mr.	S. S. Wanniarachchi	BSc Eng (Moratuwa), Mphil (Moratuwa)	Senior Lecturer
Mr.	V. Sanathanan	BSc Eng (Peradeniya) MSc in Civil Eng (NUS), Chartered Eng, MStructE	Senior Lecturer
Mr.	R. P. H. S. Bandara	BSc Eng (Moratuwa), MBA (Moratuwa), MSc (Moratuwa)	Senior Lecturer
Mr.	D.N.A Hewage	BSc.Eng (Hons), M.Eng (Struct), C. Eng MIE (SL), M. SSE(SL), M.EAust.	Senior Lecturer
Ms.	W. M. V. R. D. Edirisinghe	BSc in (Civil) Eng. (KDA), MSc in Civil and Structural Eng. (KDU), Dip In Arbitration	Senior Lecturer
Ms.	W.M.C.L.K. Wijekoon	BSc (Hons) QS (Moratuwa), MBA (Moratuwa)	Senior Lecturer

Mr.	K. P. G. C. D. Sucharitharatna	BSc (Hons) (SLIIT), MSc (SHU, UK)	Lecturer
Ms.	C. J. Rodrigo	B.Eng (Hons) (Wolverhampton, UK), MSc (SHU, UK)	Lecturer
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
Ms.	P.A.C.B.Allis	BSc (Hons) QS (Moratuwa), Dip In Arbitration	Lecturer (On Contract)
Ms	H D Abeysiriwardana	BSc Eng (Hons) (Moratuwa), Pg. Dip (Moratuwa), MSc (Manchester)	Lecturer (Tenure Track)
Mr	R.M.K. Sandamal	BSc.Eng (Hons) (SLIIT), MSc.(AIT,Thailand)	Lecturer (Tenure Track)
Mr	P.H. Alwis	BSc Eng (Moratuwa)	Lecturer (Tenure Track)
Ms.	T.G.Jathunga	BSc (SLIIT)	Lecturer (Tenure Track)
Mr.	W.A.N.D.Wedasingha	BSc.(Hons)(SLIIT)	Lecturer (Tenure Track)
Ms.	H H H De Silva	BSc.Eng (Hons)(Moratuwa), MSc.(Moratuwa)	Lecturer (Tenure Track)
Mr.	R. P. D. D. Chamara	BSc.(AIT,Thailand), MSc.(Moratuwa)	Lecturer (Tenure Track)
Ms	D. P. Egodage	BSc.(Moratuwa) , MSc.(Moratuwa)	Lecturer (Tenure Track)
Mr	H G G K Rangajeewa	BSc Eng (Moratuwa), MBA (Moratuwa)	Academic Fellow
Mr.	F. Weerakkody	-	Visiting Consultant
Prof.	M. Ranaweera	-	Visiting Professor
Mr.	S. Thimothies	-	Visiting Academic
Prof.	P. Dias	-	Consultant Professor
Dr.	R. Chandrasena	-	Senior Lecturer (HG)
Mr.	A. Martin	-	Training Engineer
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

Option 02:

Download the application form 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

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."



• **SLIIT MALABE CAMPUS**

New Kandy Road,
Malabe.

Tel : +94 11 754 4801

Fax : +94 11 241 3901

• **SLIIT METROPOLITAN CAMPUS**

Boc Merchant Tower
#28, St Michael's Road,
Colombo 03.

Tel : +94 11 754 4802

Fax : +94 11 230 1906

• **SLIIT MATARA CENTRE**

No. 24, E.H.Cooray Building,
Anagarika Dharmapala Mawatha,
Matara.

Tel : +94 41 754 4501

Fax : +94 41 222 1048

• **SLIIT KANDY CENTRE**

No 670/1/1A,
Peradeniya Road,
Kandy.

Tel : +94 81 720 4204

Tel : +94 81 238 7888

• **SLIIT KURUNEGALA CENTRE**

No 76,
Mihidu Mawatha,
Kurunegala.

Tel : +94 37 720 4204

• **SLIIT JAFFNA CENTRE**

No 330,
Stanley Road,
Jaffna.

Tel : +94 21 720 0406

Fax : +94 21 720 0407

011 754 4801

www.sliit.lk

info@sliit.lk



SLIIT UNI

THE KNOWLEDGE UNIVERSITY