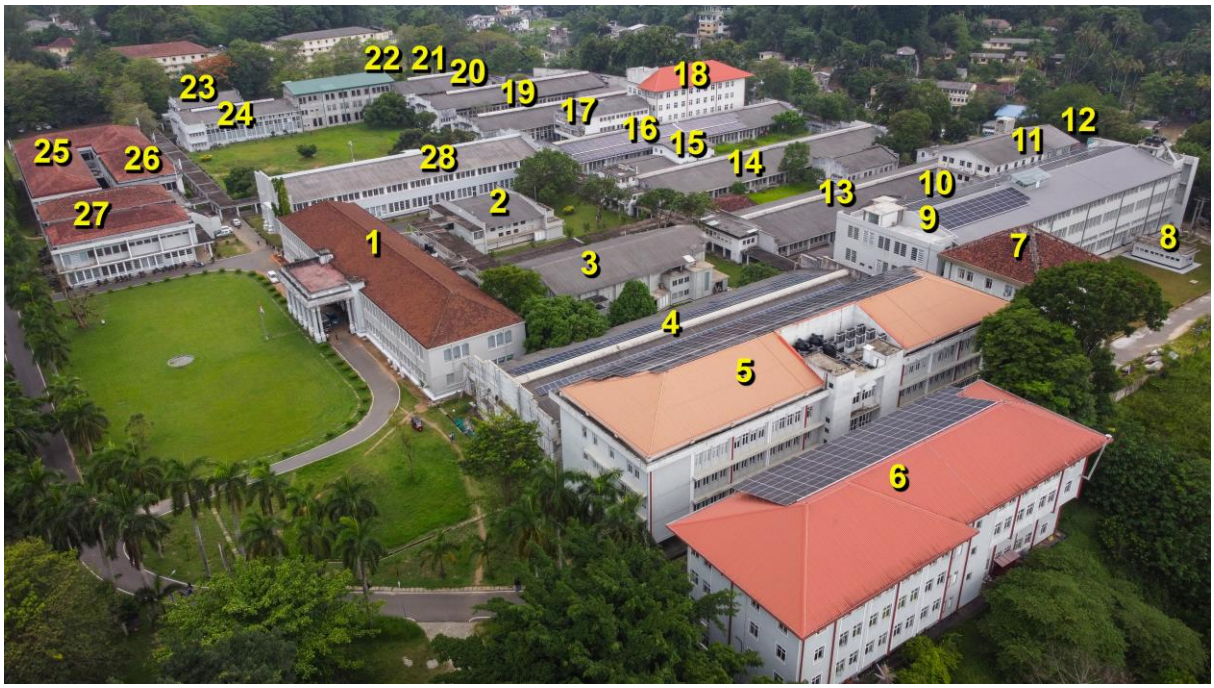
HANDBOOK 2024

FACULTY OF ENGINEERING

UNIVERSITY OF PERADENIYA

PIONEERS IN ENGINEERING EDUCATION IN SRI LANKA

Faculty of Engineering, University of Peradeniya



1. Administration building: Dean, Assistant Registrar, Assistant Bursar, Department of Civil Engineering and Department of Electrical and Electronic Engineering offices, Seminar Rooms 1-3, Conference Room, Audio-Visual Studio & Engineering Education Unit (EEU), PEFAA office, Faculty Boardroom, Senior Common Room, QA Cell.
2. Twin Lecture Rooms 2 & 3, Security Office
3. E.O.E. Pereira Theatre
4. Drawing Office I, Lecture Rooms 12-21
5. Department of Engineering Mathematics, Department of Engineering Management, Industrial Training and Career Guidance Unit (ITCGU), Computing Center, Network and Communication Services Unit (NCSU), Centre for Engineering Research and Postgraduate Studies (CERPS), English Language Teaching Unit (ELTU) and a few lecture rooms
6. Department of Chemical and Process Engineering
7. New Electrical and Electronic Engineering Laboratory
8. Car Park.
9. Department of Electrical and Electronic Engineering
10. Electrical and Electronic Workshop
11. Department of Computer Engineering
12. Professor WP Jayasekara High Voltage Laboratory
13. Geotechnical Engineering Laboratory, Surveying Laboratory
14. Materials Testing Laboratory, Metallurgy Laboratory
15. New Environmental Engineering Laboratory
16. Fluid Mechanics Laboratory & Environmental Engineering Laboratory
17. Applied Mechanics Laboratory
18. Mechanical Systems Laboratory
19. Office of the Department of Mechanical Engineering, Applied Thermodynamics Laboratory
20. Engineering Workshops I
21. Engineering Workshops II

22. Car Park
23. Canteen
24. Department of Manufacturing and Industrial Engineering
25. Engineering Library and 24x7 Reading Room
26. Lecture rooms10 & 11
27. Structures Laboratory, Lecture room 9, Male/Female washrooms
28. Drawing Office II, Lecture rooms 7 and 8, Engineering Design Center (EDC), Engineering Technology Incubation Center (ETIC), Students' Common Room

OFFICERS OF THE UNIVERSITY OF PERADENIYA

OFFICERS OF THE FACULTY OF ENGINEERING

Dean / Engineering

Heads of Departments

- Chemical and Process Engineering
- Civil Engineering
- Computer Engineering
- Electrical and Electronic Engineering
- Engineering Management
- Engineering Mathematics
- Manufacturing and Industrial Engineering
- Mechanical Engineering

Administrative Staff

- Assistant Registrar and office staff
- Senior Assistant Bursar and office staff

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VISION AND MISSION

Vision

Faculty of Engineering will be the centre of excellence in engineering education and research in South Asia. The best student representative of geographical and cultural diversity, academic staff of the highest caliber, and excellent learning and research environment will ensure academic excellence and highest professional standard, nationally and internationally.

Mission

The Mission of the Faculty of Engineering is to acquire, promote, develop and disseminate knowledge of engineering sciences and its application to improve the quality of life and, in particular, to equip present and future generations with skills and attitudes to attain competence as professional engineers, and to interact with industry and community for sustainable development of humankind.

THE FACULTY OF ENGINEERING, UNIVERSITY OF PERADENIYA

The Faculty of Engineering, University of Peradeniya is the first engineering faculty in Sri Lanka. It was founded in 1950 and shifted to the present location at Peradeniya in 1964. The Faculty of Engineering is one of the nine Faculties of the University of Peradeniya, the most prestigious and most comprehensive university in Sri Lanka, located in a salubrious environment on the banks of the Mahaweli River and at the foothills of the Hantana mountain range.

The Faculty maintains its long-standing reputation for excellence in engineering education. The nationally and internationally accredited curriculum of the four-year full-time undergraduate degree programme of the Faculty leads to the degree of the Bachelor of the Science of Engineering Honours (BScEngHons). The curriculum has been planned to offer the students a rich engineering education through technical courses and non-technical courses of cross-disciplinary breadth, laboratory and design experience, project work, fieldwork and industrial training. The first semester covers common courses to all students and the subsequesnt seven semesters are devoted to courses in one of the six specialization programmes of engineering; Chemical & Process, Computer, Civil, Electrical & Electronic, Manufacturing and Industrial and Mechanical Engineering.

The Faculty also has several full-time and part-time postgraduate programmes leading to Postgraduate Diploma, Master of Engineering, Masters Degree, Master of the Science of Engineering, Master of Science, Master of Philosophy and Doctor of Phillosophy. Postgraduate programmes are greatly supported by our collaborations with industry and several foreign universities. The Faculty keeps abreast with advancing technologies through research and development activities, staff training, hosting international conferences and meetings. Students and staff work closely with the industry through consultancy services, research projects, testing services and offering short courses and training programmes in various topics relevant to the industry.

There are eight established Departments of Study at the Faculty; Department of Chemical & Process Engineering, Civil Engineering, Computer Engineering, Electrical & Electronic Engineering, Engineering Mathematics, Engineering Management, Manufacturing and Industrial Engineering, and Mechanical Engineering. The academic programmes and services are conducted by these Departments and are supported by the Computing Centre, Engineering Library, Engineering Workshops, Electrical and Electronic Engineering Workshops, Engineering Education Unit, Industrial Training and Career Guidance Unit, English Language Teaching Unit and the Centre for Engineering Research and Postgraduate Studies.

In this residential university, students are blessed with a conducive environment to nurture rich human qualities, to broaden their horizon by interacting with fellow students of all the communities and all the faculties while enjoying student life. There are students from all parts of the country representing a wide cross section of society within this university. Moreover, engineering students have a proud tradition of active involvement in sports, societies and community services. Needless to say, all these provide an invaluable experience for the students in their future endeavours. Also, this welcoming experience from the diverse cultural and intellectual climate undoubtedly moulds them to live in harmony in our pluralistic society respecting social and cultural values and to be ethical citizens of Sri Lanka.

CONTENTS

UNDERGRADUATE PROGRAMME

The Faculty of Engineering offers a four-year full-time undergraduate programme leading to the degree of The Bachelor of the Science of Engineering Honours (BScEng Hons). Admission to the undergraduate programme in the Faculty of Engineering is based on government policy on university admissions. The minimum requirements are passes in Combined Mathematics, Physics, and Chemistry at the GCE (Advanced Level) Examination.

The four-year full-time BScEng Hons degree programme at the Faculty of Engineering comprises a common first semester and Specialization Programmes in the remaining seven semesters. A student can pursue studies in one of the following fields of specialization:

* Chemical and Process Engineering
* Civil Engineering
* Computer Engineering
* Electrical and Electronic Engineering
* Manufacturing and Industrial Engineering
* Mechanical Engineering

The structure of the undergraduate degree programme at the Faculty of Engineering is illustrated below in Fig 1.

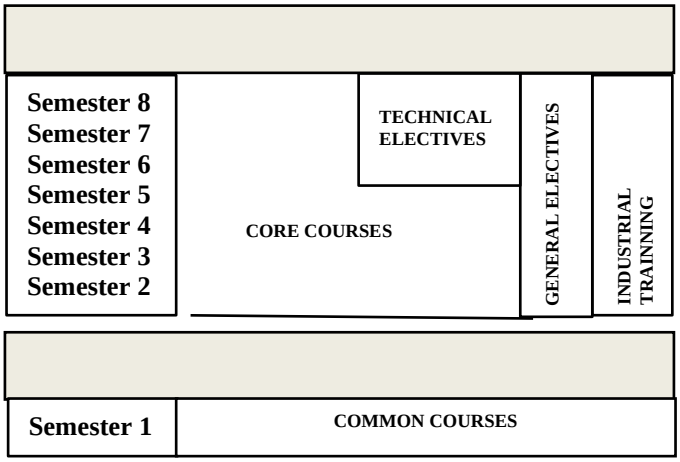
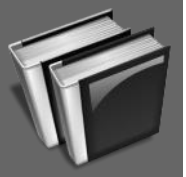


Fig 1 Programme structure

Each academic semester is normally made up of 14 weeks of teaching, a recess week and two-weeks long end-of-semester examination. The evaluation of the performance of a student in each course is carried out through continuous assessments and end-of-semester examination. The medium of instruction at the Faculty of Engineering is English.

The Rules and Regulations relating to the Degree of the Bachelor of the Science of Engineering Honours at the Faculty of Engineering are given in Annexure I.

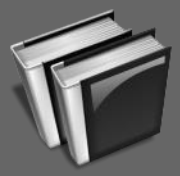


FIRST SEMESTER COMMON COURSES IN ENGINEERING

The first semester is common to all the students at the Faculty of Engineering. There are 6 courses to be completed during the first semester, which are given in Table 1 below.

Table 1: First Semester Common Courses

Course	Code	Credits
Engineering Mechanics	CE1010	3
Programming for Engineers I	CO1010	3
Electricity	EE1010	3
English for Communication I	EF1010	3
Ethics and Sustainability	MA1100	2
Calculus I	EM1010	4
Total		18



REMAINING SEVEN-SEMESTER PROGRAMME IN ENGINEERING

During the second, third, fourth, fifth, sixth, seventh and eighth semesters of the degree programme, the engineering students follow courses depending on the specialization field they have chosen at the end of their first semester of study. During seven semesters, they follow courses recommended for their respective fields of specialization and industrial training for a period of not less than 24 weeks, as specified in the Rules and Regulations given in Annexure I. These courses are grouped into two major categories as core courses and elective courses.

Core courses contribute to about 75% of the total credits earned during these semesters. Core courses are specific to the chosen field of study and are compulsory. Research and comprehensive design projects are open-ended projects carried out by an individual student or by a small group of students under supervision.

Elective courses are divided into technical elective courses and general elective courses. Technical electives are designed to give a deeper understanding of some selected areas within the core or to provide technical knowledge to supplement the core and are opened to the choice of the students. The core courses and technical elective courses offered by different departments are listed under each Department of Study. General elective courses offer the complementary study areas for the engineering degree programme and are listed under the Engineering Education Unit (EEU).

Students may also have the opportunity to register for a Minor Programme after their fifth semester of study - subject to availability. The Minor will usually comprise of 15 credits of Technical elective courses.

Table 3.1: Credits to be earned in each category of courses of the specialised field of study

Field of Specialzation	Courses/ Projects	Credits for BScEng Hons Degree
Chemical and Process Engineering	Core courses	**102**
	Regular core courses and design project	**87**
	Research project	**15**
	Electives courses	**24**
	Technical electives	**12**
	General electives	**12**
Civil Engineering	Core courses	**106**
	Regular courses	**96**
	Integrated design project	**04**
	Research project	**06**
	Electives courses	**20**
	Technical electives	**16**
	General electives	**04**
Computer Engineering	Core courses	**94**
	Regular core courses and design project	**87**
	Research project	**07**
	Electives courses	**32**
	Technical electives	**23**
	General electives	**09**
Electrical and Electronic Engineering	Core courses	**87**
	Regular courses	**81**
	Research project	**06**
	Electives courses	**39**
	Technical electives	**27**
	General electives	**12**
Manufacturing and Industrial Engineering	Core courses	**97**
	Regular core courses and design project	**91**
	Research project	**06**
	Electives courses	**29**
	Technical electives	**18**
	General electives	**11**
Mechanical Engineering	Core courses	**86**
	Regular core courses and design project	**77**
	Research project	**09**
	Electives courses	**40**
	Prescribed Technical Electives for each track	**15**
	Other Technical Electives	**15**
	General electives	**10**
Industrial Training		**06**
Total		**132**

DEPARTMENT OF CHEMICAL & PROCESS ENGINEERING

The department offers a BScEng Hons degree programme in the field of Chemical and Process (C&P) Engineering. Chemical and Process Engineering graduates have the knowledge, understanding and skills required for the safe, sustainable and economical design, modification, operation, control and the effective management of small- and large-scale physical, chemical and bioprocessing plants. The products from these plants are as wide ranging as refined fuels, chemicals, processed food, composite and specialized materials, electronics and pharmaceuticals.

The graduates of the department are conversant in the knowledge and skills required for working with refrigeration and air conditioning technology, combustion and emissions technology, sustainable processing technology, energy technology and environmental pollution control technology. They have the knowledge, understanding and skills required for the use of appropriate mathematical techniques, equipment, and pertinent software tools and appropriate programming languages.

Courses offered in the department are designed to prepare its graduates to be gainfully employed at petroleum refineries, chemical manufacturing facilities, pharmaceutical industry, food processing industry, biotechnology industry, process-software development businesses, quality control and management authorities, industrial pollution control and environmental pollution abatement organizations, sustainable development initiatives and strategic development cells, and composite material using industries such as aerospace, automotive, biomedical, electronic, environmental and space industry.

The department provides courses in the fundamentals of chemical engineering and separation processes, theory and design of process equipment and energy systems, reaction and biological process engineering, industrial process technology, industrial safety and health, energy technology for process industry, industrial pollution control system design, industrial and advanced fluid mechanics, instrumentation and measurement, petroleum engineering, food process engineering and in the environmental management systems. The complete design of a selected process industry is carried out through two project-based core courses offered in the final year of study under the close guidance of the academic staff at the department. The department also provides supervision for undergraduate research projects in the project-based courses Independent Study and Process Engineering Research Projects. Courses of a broader interest involving thermodynamics, heat transfer, materials science, strength of materials, mechanics of machines and electrical power are provided with the support of other departments.

The department has the following seven well-developed laboratories for undergraduate, postgraduate and research work:

- Analytical Chemistry Laboratory
- Analytical Instrument Laboratory
- Biochemical Engineering Laboratory
- Computer Simulation & Design Laboratory
- Energy Engineering Laboratory
- Food Engineering Laboratory
- Pilot-plant Laboratories

The department possesses analytical instruments such as Gas Chromatograph, HPLC (High Performance Liquid Chromatograph), Atomic Absorption Spectrophotometer and UV/Visible Spectrophotometer.

Current research interests and activities of the department include environmental pollution control, image processing techniques, green productivity, cleaner production, sustainable development, combustion, renewable energy, energy conservation, energy economics, nanomaterials synthesis, biopolymers, biodiesel and bioethanol production, gasification, fluidised bed technology, drying and dryers.

The department provides research supervision for higher degrees leading to PGDip, MSc, MScEng, MPhil and PhD in chemical and process engineering and related fields, and a specialized postgraduate programme in Environmental Pollution Control Engineering (EPCEng).

Information on the Academic Staff of the department can be found here. The Chemical & Process Engineering specialization program can be found here.

DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering is the largest department in the Faculty and has produced about 50 percent of the engineering graduates from the Faculty. Civil engineering graduates are expected to play key roles in planning, designing, constructing and managing roads, bridges, dams, buildings and public utilities, water supply, sewerage, irrigation, drainage and pollution control schemes etc. The Civil Engineering curriculum covers a wide range of courses in three main areas:

- Materials and Structural Engineering which includes Properties and Mechanics of Materials and Structures
- Geotechnical and Transportation Engineering which includes Geotechnical Engineering, Engineering Geology, Surveying and Highway & Transportation Engineering
- Water Resources and Environmental Engineering, which includes Fluid Mechanics, Hydrology, Hydraulics and Environmental Engineering.

The Department also offers specialized courses in Computer Applications in Structural Engineering, Foundation Engineering, Water Resources Engineering, etc. as elective courses. Field visits, seminars and research projects form a part of the curriculum. Practical aspects of civil engineering are emphasised through laboratory, field and design classes, multidisciplinary design projects and a field camp.

The Department has the following laboratories with specialized up-to-date facilities for teaching, research and consultancy services:

- The Materials Laboratory is equipped with facilities for investigation of the physical, mechanical and durability characteristics of diverse types of materials used for engineering applications. The materials that the laboratory can handle are inclusive of cementitious products, ingredients of concrete and asphalt, metals, timber, polymers and ceramics. Services are also provided to the industry for quality management purposes.
- The Metallurgy Laboratory is equipped with facilities for investigating the impact and hardness, microscopic analysis using metallurgical microscopes and the atomic absorption spectrometer, x-ray views for investigating metals and heat treatments of metals.
- The Structures Laboratory has a strong floor of 6 m x 12 m with reaction frames supporting 500 kN and 250 kN static hydraulic jacks and 100 kN dynamic actuator capable of testing medium-scale experimental models and precast products such as Hume pipes, Manhole covers, Steel gratings, etc for relevant SLS, BS and other similar standards. The laboratory can also provide on-site structural testing facilities to measure deflections, strains, accelerations with online monitoring and data logging facilities for both static and dynamic testing.
- The Fluid Mechanics Laboratory is equipped with state-of-the-art wind tunnels, hydraulic benches specifically designed for flow and pressure transient measurements, tilting flumes with fixed and movable beds, wave flumes, a towing carriage with a tank, and other facilities for testing scale models. Additionally, the laboratory contains test rigs for examining the behavior of pipes, pumps, turbines, and fans. The primary purpose of these resources is to provide a comprehensive learning experience to undergraduate and postgraduate students in fluid mechanics, hydraulic and hydrologic principles, as well as to support research activities. High-end computer servers are also available for hydraulic and hydrology based modelling and CFD analysis to facilitate the teaching and research. Expert services are provided to the industry with a special emphasis in the areas of physical and computational modelling, field measurements and testing works related to water resources development projects.
- The Environmental Engineering Laboratory comprises facilities for water and wastewater analysis, and a microbiological laboratory. The Laboratory has been fully equipped with state-of-the-art analytical instruments that have the capacity to cater to a wide spectrum of analytical service needs. Besides, the laboratory is equipped with the advanced technical and academic expertise related to the environmental engineering domain to cater to academic and industrial needs. Following specialized instrumentations are available: Atomic Absorption Spectrophotometer, Gas Chromatograph, HPLC Ion Chromatograph, HPLC Carbamate Analysis System, Organic Elemental Analyzer, Total Organic Carbon Analyzer and general water & wastewater quality parameter testing (BOD, COD, TSS, turbidity, MLVSS, Coliform detection etc).

- The Geotechnical Laboratory is equipped with facilities to carry out field and laboratory tests in the specialised fields of geotechnical engineering and engineering geology. Field tests include SPT, SCPT, DCPT, Seismic Refraction Test, Resistivity Test and, laboratory tests include Classification Tests, UU, CU and CD Triaxial Tests, Direct Shear Test, Consolidation Test, Compaction Test, CBR test, Permeability Test, Rock Shear Test, LAAV Test, Slake Durability Test, Soundness Test and Determination of Shear Wave Velocity. In addition, the laboratory provides computing services using state of the art software such as FLAC, Geostudio and Plaxis for the numerical analysis of many geotechnical engineering problems. A wide range of consultancy services is offered to the industry in all aspects of geotechnical analysis, design and site investigation.

- The Surveying, Highway and Transportation Engineering Laboratory is equipped with total stations, theodolites, levels and electronic distance meters and GPS/GIS facilities for comprehensive land surveying and contouring. Furthermore, Benkelman beam, variety of surface roughness/resistance testing equipment and weight bridges for highway pavement evaluations and all laboratory testing related to bitumen and asphalt are available in this laboratory (Marshall test, penetration, elongation, softening point, flash and fire point).

- The Computer-Aided Structural Analysis Laboratory with more than one hundred computers is used for teaching and research on the analysis of structural systems using finite element programs. Mainly, licensed versions of SAP 2000 and Midas FEA are available for linear and nonlinear analysis of structures for static and dynamic loadings.

Research carried out in the department can be classified under final year student projects, postgraduate diploma and master's degree projects, graduate studies by research students, and research conducted by the academic staff. Some of the current areas of research include: Structural behaviour under seismic loading; Structural health monitoring and retrofitting; Fatigue damage assessment for bridges; Mechanical behaviour of novel materials; Condition assessment of existing structures; Stability of landfills and gas diffusivity characterisation; Strength characterisation of railway ballast subjected to fouling; Stabilisation characteristics of soft and coarse-grained soils; Down-scaling of climate projections and rainfall and runoff modelling; Hydrodynamics and sedimentation modelling of reservoirs; Coastal flood hazard and risk assessments and coastal sediment transport; Water and wastewater management technologies; Transport and traffic planning of small/medium cities.

Over the years the Department has conducted postgraduate courses leading to the Master's Degree and has admitted graduate students for research studies leading to MPhil and PhD. Part-time Postgraduate Diploma and Master's Degree programmes are offered by the Department to provide postgraduate level education in the fields of Structural Engineering, Environmental & Water Engineering, Geotechnical Engineering, Highway and Traffic Engineering, Sustainable Built Environment and Disaster Management. There are also plans to expand the scope of the postgraduate programmes to other areas of Civil Engineering.

The Department maintains close links with industry through consulting work, CPD programmes, participation in professional activities and conferences and seminars conducted by the staff.

Information on the Academic Staff of the department can be found here. The Civil Engineering specialization program can be found here.

DEPARTMENT OF COMPUTER ENGINEERING

The Department of Computer Engineering was established in the Faculty of Engineering in 1985. Although it is the youngest degree awarding department in the faculty, it is one of the premier Computer Engineering departments in the country's University system. Initially, the primary function of the department was to conduct computing-related courses to the students in all disciplines of the Faculty. Later, in the year 2000, the department started offering the Computer Engineering degree as a specialisation in engineering. Today it is a fully-fledged department, robust with a capable and energetic staff, rich in its resources and course content and showing maturity which belies its age.

Computer Engineering degree is a unique combination of computer science and electrical and electronics engineering. It includes the science and technology of design, construction, implementation and maintenance of software and hardware components of modern computer-controlled systems and their networking. Computer engineers have in-depth knowledge of hardware, software design,hardware-software integration and networking. They are involved in all aspects of computing, from the design and use of individual microprocessors, circuit design and large-scale system integration, to kernel operations, databases,data science and engineering, artificial intelligence and machine learning, networking, security, and telecommunications.

Entrance to the Computer Engineering stream of study is highly competitive and its content, though challenging and demanding, is ultimately exceedingly rewarding. The courses offered provide comprehensive coverage in Computer Engineering. Unlike many Computer Science/Engineering schools that tend to teach the details of the latest in-demand skills, skills that will soon be out-dated, we believe in providing a solid understanding of the foundations of Computer Engineering with computer systems perspective. These principles allow students to adapt to the inevitable changes in technology by developing practical skills on top of the foundations using leading-edge technologies. Such an approach inevitably makes the degree challenging and highly rewarding.

The curriculum of Computer Engineering specialization is a four-year programme with 150 SLQF credits including the General Programme and the Industrial Training. It provides the necessary theoretical background combined with hands-on practical experience in order to prepare graduates for their future careers. The programme focuses on computer architecture and design, embedded systems, computer networks, databases, software engineering, data science and engineering, artificial intelligence and machine learning and computer applications in industry. It is geared towards the needs of not only industries but also higher education sectors to ensure a smooth transition after a student's graduation.

The department continuously creates and strengthens its ties with other universities and industries. Our ongoing research are conducted in collaboration with researchers from leading foreign universities and global industry partners. Already, some of the courses are offered with industrial collaboration. The Department also houses the one and only NVIDIA GPU Research Center in the country. Computer Engineering graduates are highly sought after by local as well as international employers.

Research conducted by the department has greatly expanded over the years. The Embedded Systems and Computer Architecture Laboratory (ESCAL) is a research group whose interests concern the architectural aspects of embedded systems and associated problems with a particular focus on the combination of the theory and practice. The Systems Engineering Group at Peradeniya (SEGPe) is a research group mainly focusing on the use of small kernel technology for secure and reliable systems construction and the application of formal methods to system design and implementation. The Complex Reactive & Intelligent Systems (CRISL) group concentrates on model-based design and formal verification of complex reactive systems, Logic/Supervisory Control and fault diagnosis of Discrete Event Dynamic Systems, and issues related to reconfigurable control of these systems. The department also conducts active research on Cryptography and Network Security.

The Cryptography Research Laboratory (CRL) primarily focuses on the research on cryptographic fundamentals that enable secure communications. CRL develops newcryptographic schemes and formally analyse their security, implement cryptographic schemes for secure communications and work on cryptanalysis. The department has a focused group in the area of data analytics. Machine learning based methods for inferring from various data such as computer games, social media, news articles and DNA sequencing data are been designed and are being applied in multiple contexts. There are number of Masters and Doctoral students following postgraduate study programs of the Department. The research carried out by these research groups are being published in internationally recognized journals and conferences.

Laboratory facilities in the department provide the means to experience and practice the Engineering skills acquired during the learning process. The department provides two general laboratories with sixty high-performance computers with fast Internet connectivity and this facility is open even after hours to aid self-learning. Special laboratories are equipped with proper equipment to get hands-on experience on networking, interfacing, digital design and embedded systems. A special laboratory environment is provided for students who participate in projects. They have the freedom to use these resources as required.

Independent student activities are encouraged via a student body, the Association of Computer Engineering Students (ACES), which aims to further the potential of students by catering to their professional and societal development needs and enhancing their competencies such as leadership skills. ACES together with Hackers Club annually organize various events thus providing opportunities to improve the students' skills. ACES Hackathon and ACES Coders are national level product development and coding competitions in which undergraduates of national and private universities participate. The Career Fair provides opportunities to the students to find training and employment opportunities. The Symposium provides a platform to present the undergraduate research to researchers and to the industry.

The department's greatest strength is perhaps in its energetic and passionate staff constantly driving undergraduates to excel in their studies. Academic staff of the Department of Computer Engineering has been and continues to be trained from higher education institutions all around the globe from the Silicon Valley in the US to the premier universities in the UK, Europe and the Asia Pacific. The warm and welcoming atmosphere created by the exuberant staff has formed family-like bondage that creates a strong cohesive unit and thus the Department of Computer Engineering has become a home for elites in engineering.

Information on the Academic Staff of the department can be found here. The Computer Engineering specialization program can be found here.

DEPARTMENT OF ELECTRICAL & ELECTRONIC ENGINEERING

The Department of Electrical and Electronic Engineering (DEEE) offers undergraduate and postgraduate programs in Electrical and Electronic Engineering. The vision of the department is to "acquire knowledge, promote research, and educate the student community in the applications of science of Electrical and Electronic Engineering in industry and academia for the benefit of the society at large". The mission is "to provide an appealing environment for students and staff to acquire knowledge in broader sense for the benefit of mankind".

The department provides basic courses for all engineering undergraduates on the principles of Electrical and Electronic Engineering, in appropriate depth, to acquire essential fundamentals, and also it offers several advanced courses to the specializing students in the areas of,

- Power High Voltage and Energy Systems Engineering
- Communication and Information Engineering
- Electronics and Instrumentation Engineering
- Control, Robotics and Automation Engineering
- Biomedical Engineering
- Artificial Intelligence, Machine Learning and Signal Processing.

Appropriate selection of technical electives that are available from within the above six subspecialisations, backed by the undergraduate research project and industrial training engagements, pave the way for the students of electrical and electronic engineering to specialize in one of the above subdisciplines. More importantly, the curriculum of the Electrical and Electronic Engineering study program has been designed in a flexible way that, students can obtain a major specialization in one of the above areas while obtaining a minor specialization in another area selected out of the same six sub-disciplines mentioned above. The department has an integrated laboratory environment covering the following clusters of laboratories:

- Elementary Laboratory
- Communication and Information Laboratory
- Electronics and Instrumentation Laboratory
- Power and Energy Laboratory
- Electrical Machines and Drives Laboratory
- Control Robotics and Automation Laboratory
- High Voltage Laboratory
- Optical Communication Laboratory
- Sri Lanka Telecom Research Laboratory
- Smart Grid Laboratory
- Power Electronics and Industrial Systems Laboratory
- RF and Microwave Laboratory
- PCB Fabrication Laboratory
- Bio Medical Engineering Laboratory
- Artificial Intelligence, Machine Learning and Signal Processing Laboratory

A project area with well-equipped laboratory setups for group based undergraduate activities is arranged for projects and research work of undergraduates. The department is aligning with the notion of green energy that it has 60 kW of roof-top solar installed for the benefit of the faculty. The department maintains its own autonomous computer network while being on the backbone university network. This infrastructure facilitates the students with advanced simulation tools for their laboratory, projects, and research work in a wide spectrum covering the vast discipline of electrical and electronic engineering.

Moreover, opportunities are arranged for students to showcase their projects to the public and industry through the annual student project symposium and Electrical & Electronic Engineering Research and Project Symposium (EEERaPS) organized by the department. The department has been organizing the International Conference on Industrial & Information Systems (ICIIS) for nearly two decades to bring intellectuals to the country aiming fruitful collaborations.

Information on the Academic Staff of the department can be found here. The Electrical & Electronic Engineering specialization program can be found here.

DEPARTMENT OF ENGINEERING MANAGEMENT

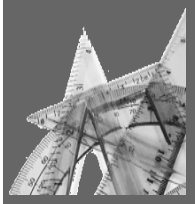
The Department of Engineering Management was established in the year 2002, in the Faculty of Engineering, University of Peradeniya in order to cater for multidisciplinary managerial roles that engineers are expected to perform in the industry.

The need for the boundaryless organizational activities, which result from increasing competitive business environments as well as globalised technical advancements render it impossible for engineers to confine to a single discipline. In order to be in par with the growing demands of the role of the engineer as a manager, she/he has to be equipped with necessary managerial and soft transferable skills supplementary to the technical expertise gained through their relevant specialization. In addition, the engineering manager should link engineering advancement to economic development while being a socially and professionally responsible individual. Department is contributing to produce such professional engineering managers, well versed with requisite managerial & leadership skills with a broader perception of their professional responsibility and accountability towards the society and environment by integrating the engineering discipline and management concepts.

Secondly, the accreditation process for the degree programme in the field of engineering requires to develop, in engineers, the ability to function effectively as an individual and a member of multi-disciplinary and multi-cultural teams, with the capacity to be a leader or a manager as well as an effective team member. The understanding of social, cultural, global and environmental responsibilities of the professional engineer and the understanding of professional and ethical responsibilities and commitment to them are also required by the present day engineer. The Department of Engineering Management expects to satisfy these requirements of the accreditation process, while promoting the lifelong learning and building up capacity to do so, in the graduate engineers of the Faculty of Engineering, University of Peradeniya.

Finally, the department expects to fulfil the objective of blending all disciplines of engineering together to cater for a 'whole concept,' amalgamating the individual, vested interests of every department, which may result in a broader perception of the professional responsibility of an engineer.

Information on the Academic Staff of the department can be found here. The courses offered by the Department of Engineering Management can be found here.



DEPARTMENT OF ENGINEERING MATHEMATICS

A strong background in Mathematics is essential for the degree programme of Bachelor of the Science of Engineering Honours in order to develop analytical thinking and the ability to use it as a tool to seek solutions to engineering problems. The courses in Engineering Mathematics have been designed keeping this in mind. In the first two years, Mathematics is taught as core course units for all undergraduates. The courses are continually updated by incorporating current techniques and new applications. As a result, most of the courses offered contain a strong computing component.

The students entering the Faculty have a wide spectrum of abilities and there are many students who are weak in Mathematics. Special attention is given to weaker students through small tutorial groups. A programme of remedial teaching for new entrants is also provided by the department every year. This is designed to help the students to bridge the gap between the school and the first year course in the Faculty. A particularly important aspect of each lecture series is the evaluation of the teaching performance, by the students, to provide the necessary feedback for improvements.

The department conducts a postgraduate diploma programme in Engineering Mathematics, which is currently a part time programme. This programme with a significant research component is designed especially to train engineering and science graduates to apply mathematical tools to solve problems in the industry. The department also provides research supervision to students reading for MPhil and PhD degrees in specified areas.

Several academic divisions have been established within the department in order to further the mathematics education of the engineers and to facilitate the development of research activities. Divisions have been established in areas in which the department has strong research potential. Currently, there are five distinct divisions within the department.

Division of Operations Research and Optimization
Division of Systems Modeling
Division of Software Engineering
Division of Decision Sciences and Statistics
Division of Mathematics and Engineering Education

The members of the department are also involved in developing mathematical, management and educational software packages for use in the department and for undergraduate and postgraduate programmes. Some of the specific areas of current interest include computer-aided learning packages, optimization routines, mathematical modelling, real-time systems, databases for inventory and students' performance data, and timetable scheduling software.

The department is also involved in research programmes in collaboration with research groups in foreign universities. Several members of the department have addressed the national needs by publishing textbooks for the G.C.E. (Advanced Level) Examination and for undergraduates. These books have been widely acclaimed as being authoritative by the experts in the relevant fields.

Information on the Academic Staff of the department can be found here. The courses offered by the Department of Engineering Mathematics can be found here.

DEPARTMENT OF MANUFACTURING AND INDUSTRIAL ENGINEERING

Manufacturing and Industrial Engineering is a dynamic, multidisciplinary field that integrates exciting areas such as design, robotics, automation, systems engineering, sustainable manufacturing, and operations management.

Since its establishment in 1976 as the **Department of Production Engineering**, the department has graduated over 1,200 skilled engineers who have made significant contributions to both local and global industries. In 2017, reflecting its broadened scope and evolving focus on manufacturing and service industries, the department was renamed **Manufacturing and Industrial Engineering**.

The department offers a comprehensive curriculum designed to provide students with both a strong theoretical foundation and practical, hands-on experience. Modern facilities and laboratories support advanced learning and innovative research in areas such as machining, robotics, additive manufacturing, automation, metrology, and digital design. This practical exposure ensures that our graduates are industry-ready and capable of driving innovation in a wide range of sectors.

A vibrant R&D culture is actively fostered, encouraging multidisciplinary collaboration and providing engineering undergraduates with an environment conducive to learning through problem-based learning (PBL) with real-world applications. The department's strong research culture produces impactful solutions addressing real industrial challenges. Through consultancy and capacity-building programs, significant contributions are made to enhancing the competitiveness of the local manufacturing industry and improving societal livelihoods.

Vision: To be a center of excellence in higher education in the field of Manufacturing and Industrial Engineering.
Mission:

Teaching: To create an innovative, learning-by-doing experience for students focused on enhancing their creative and analytical thinking, knowledge and skills in the manufacturing & industrial engineering discipline, lifelong learning, communication, positive attitude and respect for environment, ethics & sustainability.

Research: To create a supportive work environment that can help cultivate a motivated, multidisciplinary research teams who continuously produce research output with high impact and relevance in the field of manufacturing & industrial engineering.

Contribution to Society: To impact society in a positive and transformative manner by providing high-quality services, consultancy and capacity building programmes to enhance the local manufacturing-related industry and improve lives and livelihood.

Graduates of the department enjoy diverse career opportunities across sectors such as automotive, aerospace, electronics, consumer goods, logistics, energy, pharmaceuticals, and heavy machinery, occupying roles at different stages of the supply chain. They serve as Design Engineers, Production Managers, Automation Specialists, Quality Engineers, Supply Chain Analysts, Process Improvement Engineers, Industrial Consultants, Operations Managers, Research and Development Engineers, Project Managers, Manufacturing Engineers, Supply Chain Directors, Factory Managers, General Managers, and
Entrepreneurs—playing pivotal roles in advancing manufacturing industries, optimizing industrial processes, and fostering sustainable development.

The department continually aspires to elevate teaching, research, and industry engagement to meet international standards. There is a commitment to nurturing visionary leaders leaders who will drive innovation and digital transformation while fostering sustainable industrial growth, both locally and globally.

Information on the Academic Staff of the department can be found here.
The Manufacturing and Industrial Engineering specialization program can be found here.

DEPARTMENT OF MECHANICAL ENGINEERING

Mechanical Engineering is at the heart of today's global industry where electronics, computers, and mechanical devices are increasingly becoming more and more integrated. The Department of Mechanical Engineering provides a broad knowledge and training necessary for the development of new technology and devices required for the advancement of such a multidisciplinary global industry. The program provides a wide education opportunity required for the understanding and application of physical phenomena in specific areas such as robotics and automation, machine design, and thermo-fluids.

The Department of Mechanical Engineering has carried out a comprehensive revision of the specialization programme in Mechanical Engineering. The department will commence offering the revised Mechanical Engineering programme from 2020 onwards.

The new Mechanical Engineering programme was developed with the vision of making the specialization programme up to date and more flexible, which enable us to diversify the programme and thereby cater to the rapidly changing technological trends and requirements of the world. Accordingly, new subspecialisations in Mechanical Engineering are introduced under four deferent tracks: Design (General Mechanical Eng. programme); Mechatronics; Energy Systems; Mechanical Engineering with Business. Students opting to specialize in Mechanical Engineering have to specialize in one of these tracks of their choice.

The department houses state of the art laboratory equipment for developing a deeper understanding of the concepts. The Applied Mechanics laboratory has a unique collection of experimental and demonstration equipment, most of which were designed and fabricated in the Faculty. These are used in a problem-based student-centric fashion to develop a fundamental understanding of various resonance phenomena, advanced concepts in mechanics, and the operation of various machines. The Thermodynamics Laboratory houses both basic and advanced experimental facilities for heat transfer, combustion, engine testing and agricultural engineering. The laboratory also has several items of laboratory equipment in refrigeration and air-conditioning. It houses the best steam engineering facility in the country. Recent additions to the collection of laboratory equipment are unmanned vision based aerial and mobile robots, industrial mechatronic systems, multi-fuel test rigs, and ocean wave energy conversion systems. The department also has one of the largest computer-aided modelling and simulations facilities in the country. Graduates who undergo this learning experience typically find postgraduate opportunities in globally reputed programmes or employment in research and development institutions, or as Engineers in industries such as automation, manufacturing, generation and transmission of power, transportation, refrigeration and air-conditioning, design, and maintenance of machinery.

The department has carried out pioneering research of international standing in vibration analysis, geometric methods in control for robotic systems, decentralized control of multi-agent systems, CNC machining, solar energy, ocean wave energy, combustion control and wind power. The current research interests and activities in the department include vision guided intelligent robots, multi-agent systems, alternative fuels and fuel additives, modelling and analysis of ocean wave energy conversion systems, development of alternative methods for refrigeration and air-conditioning, corrosion, nonlinear control theory, mechatronics, automobile engineering and computational fluid dynamics. The department also has a strong postgraduate program in these areas leading to full-time MPhil and PhD degrees. It also runs a part time MSc program in building services engineering to cater to a popular demand in the local industry.

The department has also provided expert advice and consultancy services to industrial establishments in the state, corporate and private sectors in a number of areas relating to mechanical engineering. Among the services provided are the use of unmanned aerial vehicles for terrain mapping, testing of fuels and lubricants, calibration of equipment, design of mechanical systems, mitigation and measurement of noise and vibration, balancing of rotors, and design of industrial refrigeration systems for food & agriculture industry and post-harvest processing.

Information on the Academic Staff of the department can be found here.
The Manufacturing and Industrial Engineering specialization program can be found here.

GENERAL ELECTIVE COURSES

General elective courses are conducted in the Specialization Programme, for all fields. The overall coordination of these courses is done by the Engineering Education Unit (EEU) of the Faculty and individual course coordination is done by different departments. In addition, each department may offer a set of general elective subjects relevant to the field of specialization. Qualified staff members in the respective disciplines are channelled from or outside the Faculty to conduct the general elective courses. The general elective courses acceptable for claiming credits for each field of specialization are announced by relevant departments. A student has the freedom to choose his/her general electives from among the list of general elective courses recommended by his/her Department of Study.

The general elective courses offered at present are given here. The list is subject to periodic revisions.

INDUSTRIAL TRAINING AND CAREER GUIDANCE UNIT

Industrial Training and Career Guidance Unit (ITCGU) is responsible for arranging, monitoring and evaluation of industrial training in liaison with the National Apprentice and Industrial Training Authority (NAITA). This unit is also responsible for planning and organizing activities for developing other skills of undergraduates which are demanded by the engineering organizations and for guiding students for gainful employment prospects.

Industrial Training (EF4010)

EF4010 Industrial Training (6 credits) is a compulsory course and successful completion of the course is required for the award of the degree of Bachelor of the Science of Engineering Honours. Students are given Pass/Fail grades and the student who scores highest marks at the assessment is awarded the "J.B. Dissanayake prize for Industrial Training".

A student who fails to satisfactorily complete the Industrial Training course will be required to undergo further training and appear for an assessment to be eligible for the award of the degree of Bachelor of the Science of Engineering Honours.

Placements in the participating industries are arranged for undergraduates during the industrial training sessions in the academic calendar of the Faculty so that, not less than 24 weeks of training in industry is achieved.

Undergraduates are expected to acquire hands-on experience not only in the engineering aspects of the work but also in related matters such as management, industrial safety, quality assurance, ethical practices, sustainability practices etc. Students have to maintain a daily diary during training and submit a comprehensive report covering each period of training. The assessment is done at an interview conducted by a panel consisting of a practicing engineer from industry, an officer from NAITA, lecturers from the relevant department and the ITCGU. This assessment is normally conducted during the final year of studies in each department.

Career Guidance

Career Guidance has been recognized as an important part of the education and training of the undergraduate. The undergraduates are assisted by the ITCGU to select their future careers to suit their abilities, wishes and expectations. The ITCGU liaises with these industrial sector establishments to organize capacity building sessions to develop the skills required to be successful in the job market. These include orientation of the undergraduates to develop the career related skills such as communication, leadership and teamwork. These programmes are initiated during the orientation period of new entrants and are continued throughout the four year course duration The ITCGU maintains links with industry organizations and exchange information mutually benefiting each other.

The ITCGU plays a major role in organizing the annual Career Fair of the Faculty of Engineering. The major objective of organizing the Career Fair is to provide an opportunity for industrial organizations to get to know the potential of their future employees and for final year undergraduates to learn about the current trends in the employment market and the demands of the industrial sector.

Information on the Academic Staff of the unit can be found here. The courses offered can be found here.

FEES

Fees payable by students will be determined in accordance with the decisions made by the university authorities and are subject to revision from time to time. Concessions are available to teachers and officers of the University of Peradeniya. A refund of fees is made only under exceptional circumstances.

Sri Lankan students should pay fees to the credit of the relevant account of the University of Peradeniya at the People's Bank or Bank of Ceylon.

Foreign students should pay the fees in foreign currency, viz., US dollars. They could do so by sending a Bank Draft/Tele Transfer made in favour of the Registrar of the University of Peradeniya. Please contact Registrar of the University of Peradeniya for the latest fees. Non-citizens resident in Sri Lanka may pay the prescribed fees in local currency.

1 UNDERGRADUATE COURSES AND EXAMINATIONS

1.1 Fees Payable by New Entrants

Admission fee	Rs. 600.00
Registration Fee	Rs. 200.00
Laboratory Fee	Rs. 500.00
Other Fees*	Rs. 300.00
Total	Rs. 1600.00

***Other Fees:**

Sports Facilities Fee	Rs. 100.00
P. S. U.	Rs. 25.00
Arts Council	Rs. 60.00
Hall Facilities	Rs. 15.00
Medical Fee	Rs. 100.00

1.2 Fees payable in each academic year

Renewal Fee	Rs. 500.00
Other Fees*	Rs. 300.00
Total	Rs. 800.00

1.3 Examination Fees**

The undergraduate student is not required to pay any fees for the first attempt of an End-of-Semester examination. Fees are payable for subsequent attempts of End-of-Semester examinations of the semesters.

* The fees payable are reviewed by the Faculty and the rates that apply will be announced at the beginning of each semester."

POSTGRADUATE COURSES AND HIGHER DEGREES

The perception among some professional engineers that postgraduate courses are for those seeking academic careers has by and large been dispelled, and engineers in the field/industry are increasingly aware of the benefits of such courses to update and advance their knowledge. The Faculty has sought to meet the resultant demand for advanced knowledge by offering appropriately designed postgraduate courses, with combinations of lectures, coursework and research in varying proportions and scope that lead to diplomas/degrees. The courses are available at five SLQF levels:

- Postgraduate Diploma – PGDip (SLQF L8)
- Degree of Master of Engineering – MEng (SLQF L9)
- Masters Degree (SLQF L9)
- Degree of Master of the Science of Engineering – MScEng (SLQF L10)
- Degree of Master of Science – MSc (SLQF L10)
- Degree of Master of Philosophy – MPhil (SLQF L11)
- Degree of Doctor of Philosophy – PhD (SLQF L12)

The programmes are sufficiently flexible in structure to accommodate students with diverse professional backgrounds and varying degrees of financial and time constraints. Students are admitted to any one of the four distinct categories:

- Regular full-time postgraduate students
- Regular part-time postgraduate students
- Provisional students
- Casual students

The postgraduate programmes currently available in the Faculty of Engineering are presented here. They are conducted by the respective departments. All the departments offer postgraduate programs by research, namely Postgraduate Diploma, MPhil and PhD programmes.

ACADEMIC FACILITIES

1 THE ENGINEERING LIBRARY

The Engineering Library meets the needs of the undergraduates, graduates and academic staff of the Faculty. Its collection is part of the stock of the Library of the University of Peradeniya. It contains a wide range of books and periodicals in Civil, Electrical & Electronic, Mechanical, Manufacturing & Industrial, Chemical, Computer Engineering, Management and Mathematics. It also has a fair collection of books on the Natural Sciences. It is constantly being brought up to date with new accessions. The collection of some important reference journals goes back to the 1930s. Presently there are about 65,000 books and periodicals available in this engineering library. Some electronic journal packages are also provided by the library. The present library in the new building was opened in 2000 to provide more reading facilities for the increasing student population.

All students are required to get themselves registered at the Library at the beginning of the first year so that they can use barcoded University identity card for borrowing books. Orientation programmes are provided on the general use of the Library early in a student's career, followed by more specific instructions on the literature of particular subject fields, so that a student may have some insight into the depth and breadth of information available to him/her as and when he/she requires it.

Library Opening Hours

Monday to Friday	7.15 am – 6.30 pm
Saturdays and Sundays	7.15 am – 5.00 pm
Closed on public holidays	
Library 24x7 study room	Sunday to Saturday 24 hours

During the exam periods on students' requests

Monday to Friday	7:15 am – 9:00 pm
Saturdays and Sundays	7:15 am – 6:30 pm

Requirements of undergraduate students, postgraduate students and academic staff and will, of course, to some extent rely on the inter-library loan system. Every effort is made to obtain the required literature from other libraries in Sri Lanka and abroad. Ready assistance is available to all Library users. Further details of the Library services may be found on the library website.

2 ENGINEERING WORKSHOP

The Engineering Workshop consist of the Machine Shop (metalwork), the Fitting Shop, the Foundry, the Smithy, the Welding shop and the Carpentry Shop.

The workshop has over 50 experienced and qualified staff/professionals including machinists, welders, mechanics, carpenters, storekeepers, technical offices, superintendent, workshop engineer and a director.

The Engineering Workshop have two main functions. Firstly, its resources and facilities are utilized for academic work and training of engineering undergraduates.

Experiments, as well as training sessions, are conducted for the first, third, and final year undergraduates in the areas of Workshop Practices, Fundamentals of Manufacture, Conventional Manufacturing processes and Technologies. In addition to these, the fabrication of the prototypes also carried out in the workshop. Furthermore, Wood workshop and Machine shop also used for 2nd, 3rd and 4th year Manufacturing & Industrial Engineeing undergraduate practical programmes as well as research degrees.

The other function includes the manufacture of equipment for teaching and research, maintenance of machines and equipment, industrial training of undergraduates and NAITA (National Apprentice Industrial and Training Authority) trainees, industrial consultancy work (design, manufacturing of machines and mechanisms for industry), evaluation of craftsman and technical personnel, and a variety of fabrication work for the faculty. Details of the Engineering Workshop can be found here.

3 COMPUTING CENTRE

The University Computing Centre (CC) was established in 1971 when the University acquired an IBM 1130 Computing System, the first in the country. In 1973 the CC was moved to a new building. The Computing Centre was absorbed into the newly established Department of Computer Sciences in 1985. Since 1995 it has been functioning as an independent unit.

During the eighties, the Centre began to acquire microcomputers. It now possesses a variety of hardware that includes the main file server, and about 155 networked workstations that are running on a 2000 Mbps switched Ethernet. Commonly used engineering application software, compilers and Internet services are available for its users.

The services provided by the Centre include

- The computing facilities for undergraduate and postgraduate courses which have computer based labs.
- Conducting the Foundation IT Course for the new entrants during their orientation period.
- Conducting supporting courses for academic and non-academic staff.
- Providing computer and peripheral repairs for the entire university.
- Developing Information Systems for the Faculty of Engineering.
- Coordinating and administrating the Faculty of Engineering e-Learning System (FEeLS).

The Computing Center website can be found here and the staff information can be found here.

4 ELECTRONIC WORKSHOP

The electronic workshop was set up in 1970 as a service unit attached to the Electrical and Electronic Engineering Department to undertake servicing and repairs to electronic equipment of a scientific nature belonging to all the faculties of the University. It has extended its capabilities to the design and manufacture of small items of electronic equipment, with its services extended to scientific establishments outside the university.

The electronic workshop website can be found here and the staff information can be found here.

5 ENGLISH LANGUAGE TEACHING UNIT (ELTU); THE LANGUAGE LABORATORY

The medium of instruction in the Faculty of Engineering is English. Since 1968, the Faculty of Engineering has made special provision for the teaching of English for academic purposes to undergraduates.

The English Language Teaching Unit was established in 1985 in the faculty for the purpose of facilitating the students in following their academic courses in the medium of English .

The English Language Teaching Unit conducts core courses as well as general electives for undergraduates which are offered throughout their academic programme. The unit provides guidance in international English language competency examinations and support in other english language related academic concerns.

The ELTU website and the staff information can be found here.

6 ENGINEERING EDUCATION UNIT (EEU); AUDIO-VISUAL FACILITY

The Engineering Education Unit was established at the Faculty of Engineering in 1985, to facilitate the continued education improvements in the Faculty of Engineering. Administratively, the EEU is under the purview of the Dean of the Faculty of Engineering. The management and development of the EEU is the responsibility of a committee consisting of the Dean, the Director of the unit and members of the permanent academic staff appointed by the Faculty Board. EEU is primarily involved in improving the quality of education provided at the Faculty of Engineering by facilitating effective teaching-learning strategies and resources. Activities of the EEU are categorized as follows:

- Staff development
- Curriculum development
- Provision of audio-visual facilities for educational purposes
- Academic administration of complementary studies

The EEU regularly conducts activities to engage the academic staff on modern educational paradigms. It identifies effective teaching-learning strategies and resources for the Faculty of Engineering in a timely manner, and provides training and support to the academic staff in implementing such strategies through the EEU *Support and Development Center*. It is also involved in the curriculum development and revisions which happens at the Faculty in regular intervals.

The EEU has a professional audio-visual studio equipped with a non-linear video editing and production system. The studio also has state of the art digital video and digital still cameras. Members of the teaching staff of the Faculty utilize these facilities to produce educational videos for use in their teaching and laboratory experiments, as well as other educational activities. Three seminar rooms of capacities 105, 86 and 70 equipped with smartboard facilities, interactive whiteboards, multimedia interfaces and audio systems are maintained by the EEU. In addition, the audio visual systems of the Faculty conference room and E.O.E. Pereira Theatre are maintained by the EEU. The conference room has a seating capacity of 28 and is equipped with multimedia facilities and a video conferencing system. The E.O.E. Pereira Theatre has a seating capacity of 582 and is equipped with multimedia facilities, large screen, advanced audio facilities and an advanced stage lighting system. The EEU has also installed multimedia facilities at all lecture rooms and Drawing Office I of the Faculty. In addition, the EEU maintains and operates the public address system within the Faculty.

From the year 2014, the EEU has been managing the overall coordination of the General Elective (GE) courses offered to students of all specializations at the Faculty. Details of them can be founnd here.

The EEU website can be found here and the staff information can be found here.

7 CENTRE FOR ENGINEERING RESEARCH AND POSTGRADUATE STUDIES (CERPS)

The Engineering Research Unit originally established in 1990 was transformed to the Centre for Engineering Research and Postgraduate Studies in 2001. Since then CERPS, as it came to be known thereafter, has coordinated Research Activities and Postgraduate Studies in the Faculty of Engineering, and has been instrumental in the drafting of basic policy framework in this regard along with the Faculty Regulations governing postgraduate studies.

Activities of the Centre are organised along two axes:

- The Postgraduate Studies Arm of CERPS and
- The Research Arm of CERPS.

(a) The Postgraduate Studies Arm of CERPS

***Mission*:** The mission of the Postgraduate Studies Arm of CERPS is the facilitation of Postgraduate Studies and related activities in the Faculty of Engineering by networking and coordinating all matters related to policy formulation, establishment, running, funding and development of individual Postgraduate Programmes in the Faculty to foster unhampered development of intra- and inter-departmental Postgraduate Programme initiatives.

The postgraduate studies organisation within the Faculty of Engineering is a network of Postgraduate (PG) Programmes each with a Programme Coordinator.

The Postgraduate Arm of CERPS provides the forum for policy formulation in postgraduate studies in Engineering.

(b) The Research Arm of CERPS

***Mission*:** The mission of the Research Arm of CERPS is the facilitation of research activities in the Faculty of Engineering by networking and coordinating matters relating to policy formulation, establishment, running, funding and termination of individual Research Groups in the Faculty to foster unhampered development of individual and collective research initiatives by faculty members.

The research organisation within the Faculty of Engineering is a network of research groups and research teams.

The Research Arm of CERPS provides the forum for policy formulation in Engineering research.

The Research Arm coordinates Sessions on Engineering & Built Environment as part of the Peradeniya University International Research Sessions (iPURSE). Coordination of the award and administration of University Research Grants for the Faculty of Engineering is also handled by CERPS.

The CERPS website can be found here and the staff information can be found here.

8 ENGINEERING DESIGN CENTRE (EDC)

The Engineering Design Centre (EDC) of the Faculty of Engineering, University of Peradeniya was established with the assistance from the Commonwealth Science Council in 1993, with the objective of supporting Sri Lankan industries through industrial consultancy, sponsored research and continuing professional development.

***Vision*:** To become the leading commercial entity in the field of Engineering among the Universities of Sri Lanka.

Mission: To strengthen research and development (R&D) capacity of the University of Peradeniya by establishing sustainable partnerships with industries, while supporting to upgrade the science and technology (S&T) education system of the University**.**

The Engineering Design Centre was funded by the Asian Development Bank (ADB) Science and Technology Personnel Development (STPD) Project under the Ministry of Science and Technology and its director heads the Centre. Policy decisions with regard to the management and operation of the Centre will be conveyed to the Director by the EDC Management Committee. This Committee consists All Heads of Departments, two nominees from the Engineering Faculty Board and two members representing the industry and approved by the Engineering Faculty Board. Director/EDC acts as the secretary for the meetings.

EDC directly involves in industrial activities and carries out administrative and financial aspects of engineering projects undertaken by the Faculty. The Faculty works with EDC project engineers to provide technical and engineering inputs to the Projects. These projects handle problems in the industry related to a wide spectrum of specialties in engineering.

The EDC became a self-supporting commercial entity with its own full-time staff with effect from 01.10.2004. Currently EDC consists of full-time (contract basis) engineers in the sections of promotion, services and administration. The Director is a permanent faculty member, Senior Lecturer or above.

The EDC website can be found here.

9 THE ENGINEERING TECHNOLOGY INCUBATION CENTRE (ETIC)

With the vision to be a recognized product incubation and development center of the country and, with the mission to facilitate and promote innovation and develop innovative ideas of faculty community into commercially viable products, the Engineering Technology Incubation Centre (ETIC) in the Faculty of Engineering, University of Peradeniya, was established in February 2020 by approval of the university council and declared open by the Vice Chancellor on the 30th March 2021.

Initially started with the generous financial support of the faculty alumni, the ETIC will provide an ecosystem where the projects and research completed in the Faculty of Engineering by the undergraduates, postgraduate and the academic staff will be developed into commercial products. The centre is to facilitate Pre-Incubation, Incubation, Commercialization and Start-Up phases of innovative product development while it operates as the faculty arm of the Business Linkage, Innovation Incubation and Technology Transfer Office (BLII-TTO) of the University of Peradeniya.

Applications for project facilitating can be obtained from the centre web site here.

GENERAL FACILITIES

1 HALLS OF RESIDENCE

The University of Peradeniya is essentially a residential university and most of the students are given comfortable living accommodations and easy access to a wide range of facilities for recreation and relaxation in the University Park that are open to all students. There are thirteen Halls of Residence for men, ten Halls of Residence for women, and two Halls of Residence for bhikkus. The expansion of accommodation has not kept pace with the increase in student intake.

2 SPORTS AND RECREATION

The campus has extensive facilities for sports and recreation, the hub of which is a large gymnasium for indoor sports such as badminton, basketball, netball, table tennis, weight lifting, wrestling etc. Outdoor sports grounds with ample space exist for cricket, rugby football, soccer, hockey, tennis, volleyball and other games. There are separate grounds for track and field athletic activities. Most significantly the 50 m swimming pool at Peradeniya is the only University swimming pool in Sri Lanka. It is available to all members of the University and to the public at large. All sports activities are supervised by the Department of Physical Education, and instructors and coaches are available to help students in their training.

3 STUDENT SOCIETIES

The diverse interests covered by societies open to students comprise a major attraction of life in a residential university. These societies are either university-based or faculty-based. The larger societies in the Faculty of Engineering are departmental groups, which have been in existence long enough to develop their own conventions and traditions. They are the Society of Chemical and Process Engineering Students (SCaPES), the Civil Engineering Society (CES) Association of Computer Engineering Students (ACES), the Electrical and Electronic Engineering Society (EEES), the Mechanical Engineering Society (MES), and the Manufacturing Engineering Association (MEA). Students interested in music, drama, literature, politics, religion etc. join in the activities of the appropriate university societies or faculty societies based on extra-mural and, sometimes, esoteric interests.

4 RELIGIOUS ACTIVITIES AND PLACES OF WORSHIP

Religious activities are organised for the university as a whole, and there are five registered student societies:

- The Buddhist Brotherhood
- The Hindu Society
- Newman Society (for Roman Catholics)
- The Student Christian Movement
- The University Muslim Majlis

The University Park has places of worship for each of the five major religious denominations.

5 THEATRE

The E.O.E. Pereira Theatre in the Faculty of Engineering, with a seating capacity of 582 and excellent acoustics, is the largest theatre in the campus. Although built primarily for academic gatherings of engineering students, it is also a popular centre for dramas and musical concerts, and the venue for Special Convocations and meetings of learned societies.

6 STUDENTS' CENTRE

The Faculty has a Students' Centre with a range of facilities and is freely accessible to the students. It is also a popular venue for social gatherings of students.

7 HEALTH SERVICES

A team of medical officers and supporting staff at the University Health Centre provide health care for the campus community –students as well as staff. The Health Centre also has a medical laboratory. Health care takes the form of daily OPD service, IDP for minor ailments whilst emergency cases are referred to the Peradeniya Teaching Hospital or to the General Hospital, Kandy. Dental care is provided by the Faculty of Dental Sciences.

8 STUDENT COUNSELLING

The University provides counselling service, with the assurance of complete confidentiality, to students facing problems of a personal, social or academic nature. The team of counsellors comprises several members of the senior

academic staff of the different faculties and the medical officers of the Health Centre. Five of the counsellors belong to the Faculty of Engineering, and attend to the special needs of the engineering students.

9 THE FACULTY CANTEENS

There are two canteens in the Faculty that provide meals and refreshments. The Faculty of Engineering Canteen Committee, comprising staff and students of the Faculty, manages both canteens. The second canteen was opened in 2003 in response to the demands due to the increase in student intake. Canteens have counters for the sale of stationery, drawing instruments etc. as well as facilities for photocopying and bookbinding.

10 ROAD, RAIL AND POSTAL SERVICES

The university community is served by the Sarasavi Uyana railway station and a Special Grade Post Office both located on the perimeter of the campus. There is also a small post office in the heart of the campus. Public roads run through the campus and carry bus services that link the Colombo-Kandy trunk road, which skirts the University Park. The Engineering Faculty is located between the lower Gampola road and upper Gampola road. Both routes have regular bus services. The Peradeniya Junction railway station is within walking distance, around 500 meters, from the Faculty. The distance by road is, however, longer at around 1.5 kilometers.

11 BANKING

The two major state banks, the Bank of Ceylon and the People's Bank, have had their branches within the campus for many years, but, a few years ago, the former moved into larger premises just outside the perimeter of the University Park. However, sub-branches of both banks, located in the Senate Building Extension, are open during the regular banking hours of working days.

OTHER DETAILS OF THE FACULTY

1. ENGINEERING GRADUATES

Number of Graduates as of 30th September 2024	
Chemical & Process Engineering	549
Civil Engineering	7252
Computer Engineering	1088
Electrical & Electronic Engineering	2,978
Mechanical Engineering	1,725
Manufacturing & Industrial Engineering	1,262
Total	**14,854**

2. THE FACULTY COLOUR

The official colour of the Faculty is pink, and is displayed by the garland that the engineering graduand receives at the Annual University Convocation. Since the colours of the University are gold and maroon, the Faculty uses pink and maroon on the covers of its publications.

3. PAST DEANS OF THE FACULTY

Prof. EOE Pereira	1950-65 & 1966-69
Prof. RH Paul	1965-66
Prof. JCV Chinnappa	1969-71
Prof. HB de Silva	1972-75
Prof. A Thurairajah	1975-77 & 1982-85
Prof. WP Jayasekara	1977-82
Prof. CLV Jayatilleka	1985-86 & 1988-89
Prof. M Amaratunga	1986-88
Prof. MP Ranaweera	1989-94
Prof. RJKSK Ranatunga	1994-99
Prof. WJN Fernando	1999-2002
Dr. SD Pathirana	2002-2005
Prof. SBS Abayakoon	2005-2009
Prof. SB Weerakoon	2009-2012
Prof. L Rajapaksha	2012-2018
Prof. GBB Herath	2018-2021
Dr. UI Dissanayake	2021-2024

4. PAST PROFESSORS OF THE FACULTY

Prof. EOE Pereira	Civil Engineering
Prof. RH Paul	Electrical & Electronic Engineering
Prof. JCV Chinnappa	Mechanical Engineering
Prof. EF Bartholomeusz	Engineering Mathematics
Prof. WP Jayasekara	Electrical & Electronic Engineering
Prof. S Mahalingam	Mechanical Engineering
Prof. A Thurairajah	Civil Engineering
Prof. WMG Fernando	Electrical & Electronic Engineering
Prof. HB de Silva	Civil Engineering
Prof. M Amaratunga	Civil Engineering
Prof. JA Gunawardena	Electrical & Electronic Engineering
Prof. CLV Jayatilleke	Mechanical Engineering
Prof. R Galappatthi	Civil Engineering
Prof. RJKSK Ranatunge	Manufacturing & Industrial Engineering
Prof. WJN Fernando	Chemical Engineering
Prof. TDMA Samuel	Engineering Mathematics
Prof. GE Amirthanathan	Civil Engineering

Prof. MP Ranaweera	Civil Engineering
Prof. S Sivasegaram	Mechanical Engineering
Prof. SRH Hoole	Electrical & Electronic Engineering
Prof. SB Siyambalapitiya	Engineering Mathematics
Prof. EMN Ekanayake	Electrical & Electronic Engineering
Prof. KGHCN Seneviratne	Civil Engineering
Prof. SD Pathirana	Manufacturing & Industrial Engineering
Prof. UdeS Jayawardena	Civil Engineering
Prof. KPP Pathirana	Civil Engineering
Prof. KS Walgama	Engineering Mathematics
Prof. K Perera	Engineering Mathematics
Prof. R Shanthini	Chemical and Process Engineering
Prof. SBS Abayakoon	Civil Engineering
Prof. KDW Nandalal	Civil Engineering
Prof KBSN Jinadasa	Civil Engineering
Prof KMAK Kulathunga	Manufacturing & Industrial Engineering

5. EMERITUS PROFESSORS OF THE FACULTY

Prof. RH Paul	1967
Prof. EOE Pereira	1971
Prof. WMG Fernando	1990
Prof. WP Jayasekara	1996
Prof. S Mahalingam	1996
Prof. JA Gunawardena	2003
Prof. CLV Jayatilleke	2004
Prof. TDMA Samuel	2006
Prof. MP Ranaweera	2008
Prof. WJN Fernando	2011
Prof. EMN Ekanayake	2012
Prof M Amaratunge	2017
Prof. KGHCN Seneviratne	2019
Prof. SD Pathirana	2021
Prof. KPP Pathirana	2023
Prof. UdeS Jayawardena	2023
Prof. KS Walgama	2023
Prof. RS Shanthini	2023
Prof. SBS Abayakoon	2024
Prof. KDW Nandalal	2024

6. HONORARY DOCTORATES OF SCIENCE

Prof. EOE Pereira	1978
Prof. RH Paul	1981
Prof. A Thurairajah	1994
Eng. ANS Kulasinghe	2005
Prof. MP Ranaweera	2024

ANNEXURE I

RULES AND REGULATIONS RELATING TO THE DEGREE OF BACHELOR OF THE SCIENCE OF ENGINEERING HONOURS

REGULATIONS RELATING TO THE DEGREE OF BACHELOR OF THE SCIENCE OF ENGINEERING HONOURS

1. This Regulation may be cited as the University of Peradeniya, Sri Lanka, Regulation Number 488.10.1.2.1.1 and amendment for the Degree of Bachelor of the Science of Engineering Honours (BScEngHons) that will come into effect from 15/11/2023.

2. Subject to provisions of this Regulation, the Faculty Board of the Faculty of Engineering shall make appropriate Rules for the conduct of the Degree of Bachelor of the Science of Engineering Honours (hereinafter referred to as the Degree Programme)

3. The Degree Programme shall be of four academic years' duration and shall consist of a common first semester and seven semesters or equivalent in a field of specialisation as prescribed by this Regulation and the Rules hereunder.

4. A candidate may be admitted to the Degree Programme if he/she
    a. has been admitted as a student of the University under the Statutes of the University governing the admission of students to the University and
    b. has thereafter followed to the satisfaction of the Senate the courses of study prescribed by this Regulation and the Rules hereunder.

5. Contents, assessment strategies and credit values for each course in the Degree Programme shall be prescribed by the Faculty Board on approval of the Senate.

6. Courses shall be offered in semesters scheduled during the Degree Programme, and students shall register for courses they wish to follow each semester.

7. In order to obtain credits from a course, a student must follow the course satisfactorily and attain a minimum specified standard in the course evaluation as prescribed by Rules.

8. The credit load (also known as the volume of learning) of a student in a semester should be, at most, a maximum number specified by the Rules.

9. The Senate may prescribe courses and/or training, whether inside or outside the University, in addition to the courses specified by the Rules. A candidate shall not be deemed qualified for the Degree of Bachelor of the Science of Engineering Honours unless he/she has completed such courses and/or training to the satisfaction of the Senate.

10. A student registered to the Degree Programme shall follow the Degree Programme without discontinuity, except in the event of his/her being prevented by the University from following the Degree Promramme. until he/she completes the Degree Programme subject to the maximum period stipulated for completion of the Degree Programme in this Regulation.

11. In the event of discontinuity in following the Degree Programme without the approval of the Dean as prescribed by Rules, the student will be considered to have abandoned the Degree Programme. A student who has abandoned the Degree Programme will only be readmitted with the approval of the Senate on the recommendation of the Faculty Board.

Course Assessment

12. The Faculty Board, with the approval of the Senate, shall appoint an Evaluation Panel for each course offered in every semester.

13. The Evaluation Panel for a course shall comprise at least three members, including a coordinator, a moderator, and academic staff members and visiting lecturers teaching the course concerned.

14. Each Evaluation Panel shall be responsible for assessing students in respective courses by means of oral, practical and/or written assessments as necessary.

15. Due to compelling reasons, the performance of a student in a course may be re-evaluated by a Review Panel appointed by the Faculty Board on the recommendation of the Head of the Department concerned and/or the Dean with the approval of the Senate.

16. The Dean may authorise a makeup exam for a student who fails to face a scheduled exam for a valid reason as prescribed by Rules.

17. Under exceptional circumstances, the Dean may allow a student who fails to comply with a compulsory requirement of a course to fulfil such requirement at a later date as prescribed by Rules.

18. A student may be exempted from courses, provided that he/she has obtained an equivalent qualification or qualifications as approved by the Senate on the recommendation of the Faculty Board.

19. Streaming a student into a field of specialisation is based on available positions under different fields of specialisation and his/her preference, as well as the performance in the first semester as prescribed by Rules.

20. Where a prerequisite course or courses are prescribed, a student shall be permitted to follow that course only if he/she has attained the minimum requirement for the course or courses stipulated in the Rules. However, a student who has satisfactorily followed but has yet to attain the minimum requirements stipulated for the prerequisite course or courses for a given course may be allowed to follow that course with special permission granted by the Dean, based on a request from the student.

21. A student shall be deemed to have successfully completed the Degree of Bachelor of the Science of Engineering Honours if he/she has successfully followed the courses and reached the minimum standard required for the successful completion of the Degree Programme within eight academic years from the commencement of the Degree Programme, as prescribed by Rules.

22. A student who failed to complete a course as prescribed by Rules may register and follow the course in a subsequent semester in which the course is offered in order to complete that course.

23. A student, upon fulfilment of graduation requirements as prescribed by the Rules, shall apply to the Dean of the Faculty of Engineering for the award of the Degree of Bachelor of the Science of Engineering Honours.

24. A student shall be deemed to be eligible for the award of the Degree of Bachelor of the Science of Engineering Honours with First Class, Second Class (Upper Division or Lower Division), Pass with Merit or Pass if he/she has successfully completed the Degree Programme within four academic years from the commencement of the Degree Programme and has secured the minimum required Grade Point Average as prescribed by Rules.

25. A student who has successfully completed the Degree Programme but not within four academic years from the commencement of the Degree Programme as stipulated under the provisions of 24 above shall be eligible for the award of the Degree of the Bachelor of the Science of Engineering Honours with Pass if he/she has secured the minimum required Grade Point Average as prescribed by Rules.

Special Considerations

26. Notwithstanding the above provisions, each individual case may be dealt with on the basis of its own merit by the Faculty Board, subject to approval by the Senate.

RULES RELATING TO THE DEGREE OF BACHELOR OF THE SCIENCE OF ENGINEERING HONOURS

1. Degree Programme Duration

1.1. The Degree Programme for the Degree of Bachelor of the Science of Engineering Honours (hereinafter referred to as the Degree Programme) shall be of four academic years' duration in eight semesters or equivalent, with the first semester as a common semester and seven semesters or equivalent in the field of specialisation and an Industrial Training course of total duration not less than 24 weeks.

1.2. Each semester of the Degree Programme shall typically be 14 weeks in duration.

1.3. The Degree Programme may be preceded by a Foundation Programme of 6-10 weeks' duration.

2. Courses

2.1 One course credit is equivalent to 15 hours of lectures. An hour of tutorial work, demonstrations, small-group discussions, or two hours of practical classes or in-class assignments is equivalent to one lecture hour. The number of credits assigned to each course is in accordance with the total number of equivalent lecture hours associated with the course.

2.2. Following the Sri Lanka Qualifications Framework (SLQF), for lectures, tutorials, demonstrations, practical classes, in-class assignments, small-group discussions and field studies work, one credit (the measure of volume of learning) corresponds to 50 notional learning hours and in the case of industrial training, research project, and workplace-based learning (in suitable settings) one credit is equivalent to a minimum of 100 notional hours.

2.3. Respective evaluation panels are granted a degree of flexibility, allowing for up to 02 contact hours per one credit, where deemed necessary. This provides the opportunity to incorporate alternative teaching and learning activities or delivery modes within the specified lecture hours outlined in the course descriptors in recognition of the significance of adaptable course delivery and lecture hour allocation.

2.4. Each course shall be conducted within a single semester. However, the Senate may allow certain courses a longer duration on the recommendation of the Faculty Board.

2.5. Students shall register for the courses they wish to follow each semester from the courses offered in the relevant semester as recommended during the period announced for registration. The course selection may be changed during the add/drop period specified at the beginning of the semester. No change to course registration is allowed after the add/drop period except under special permission granted by the Dean based on requests from students with valid reasons.

2.6. A student, once registered for a course in a semester, will receive a grade for the course in his transcript at the end of the semester, and any registration for the same course at a later offering will be considered as repeating the course except where an incomplete grade has been awarded as described in Rule 5.1 below or a 'Leave of Absence' or a 'Deferment' has been granted.

2.7. The recommended load of a student in a regular semester is 18 credits, and the maximum number of credits allowed is 24 credits in a regular semester.

2.8. To be considered to have satisfactorily followed a course, a student is required to have at least 80% course participation that will be evaluated based on the teaching-learning components of the course specified by the Evaluation Panel and will be clearly announced at the beginning of the course.

2.9. End of semester examinations, when appropriate, shall be held from the second week following the end of each semester.

2.10. For a student to be eligible to be considered for a makeup examination for a scheduled examination in any course in the first, seventh and eighth semesters that he/she fails to attend for a valid reason, he/she is required to submit a written request stating the reasons to the Dean as early as possible but not later than one week from the date of the examination.

2.11. Any academic activities of courses, including assessments in the entire programme, shall be conducted in English medium.

2.12. A student may request with valid reasons for 'Deferment' or 'Leave of Absence' from the Degree Programme. The request shall be made in writing to the Dean as governed by the University Policy on Deferment of Registration and Leave of Absence for Registered Students.

3. **Degree Programme Contents**

3.1. The Degree Programme shall comprise Core, Technical Elective and General Elective courses and a mandatory Industrial Training course, as prescribed and recommended by the Faculty Board and approved by the Senate. The courses are subject to variation by the Faculty Board with the approval of the Senate with at least one year's notice to the students of any such change in the Core courses before it takes effect. Grades are awarded for all courses, excluding the Industrial Training course, which is offered on a pass/fail basis.

3.2. The credit requirement for each filed of specialisation shall be prescribed by the respective department of specialisation, recommended by the Fcaulty Borard and approved by the Senate.

3.3. The total number of credits considered for the Degree Programme in any specialisation should not be less than 130 credits.

3.4. A student who has successfully completed the Degree Programme shall be deemed to have earned the required credits for the fulfilment of the requirements for the award of the Degree of Bachelor of the Science of Engineering Honours as set out in Rule 7 below.

3.5. Students are required to select Technical Elective and General Elective courses chosen from the list of courses recommended by the relevant department of study.

3.6. A student shall not be permitted to register or to have his/her performance evaluated in any course after the lapse of eight academic years from the commencement of the Degree Programme.

3.7. Students shall apply with their preferences to register for a field of specialization at the end of the first semester. When the number of students who have applied to a particular field of specialization exceeds the available positions in that field of specialization, priority will be given to students based on the Grade Point Average (GPA) of the courses in their first semester.

When two or more students have the same GPA for the first semester, priority will be given to the student with the higher total number of credits earned in courses with 'A+' grades. If still equal, the aggregate of the credits corresponding to the next highest grades will be considered one by one until the tie is broken. If the tie still persists, a decision will be made at the discretion of the Faculty Board.

4.**Assessment Strategy**

The assessment strategy shall provide a structured and comprehensive framework for evaluating students' academic progress and proficiency. This approach seamlessly integrates a diverse range of continuous assessments such as quizzes, assignments, group projects, case studies, mid-semester evaluations, laboratories, etc., which encourage active and sustained engagement with the course content, aligning with the specific Intended Learning Outcomes (ILOs) of the course. Additionally, final assessments, including written exams and viva voce evaluations, shall complement this strategy. The evaluation of these assessments, along with a transparent grading policy, shall ensure an equitable and precise reflection of students' academic performance.

5.**Method of Grading and Grade Point Average**

5.1 Grade Points shall be awarded for each course with Grade Points allocated on a four-point scale as shown in Table A1.1,. Table A1.1 also shows the recommended conversion from a percentage score to a grade where the assessment for a course is expressed as a percentage score.

Table A1.1: Recommended conversion from a percentage score to a Grade and Grade Points

Marks	Grade	Grade Points
≥ 85	A+	4.0
80 - 84	A	4.0
75 - 79	A-	3.7
70 - 74	B+	3.3
65 - 69	B	3.0
60 - 64	B-	2.7
55 - 59	C+	2.3
50 - 54	C	2.0
45 - 49	C-	1.7
40 - 44	D+	1.3
35 - 39	D	1.0
< 35	E	0.0

Normally, the minimum required grade to earn credit in any course shall be a grade C.

The maximum Grade Point accruing to a student repeating a course shall correspond to a grade C.

To be eligible to follow a course with prerequisites, a student should have a grade of D or above in every course that is stipulated as a prerequisite.

Under exceptional circumstances, acceptable to the Faculty Board, the Dean may authorise awarding an "Incomplete" grade to a student who fails to comply with a compulsory requirement of a course based on a written submission supporting compelling reasons. An "Incomplete" grade will enable the student to complete the course concerned at a later date with the approval of the Dean.

5.2 The Grade Point Average (GPA) is the weighted average of the Grade Points secured by the student in the courses that are valid for calculating the GPA for the programme concerned and is calculated as follows:

$$GPA = \frac{\sum_{i=1}^{N} C_i \, g_i}{\sum_{i=1}^{N} C_i}$$

where C_i is the credit of the i^{th} course, g_i is the best Grade Point earned for the course and N is the total number of courses offered that are valid for the calculation of the GPA.

The GPA is rounded up to the nearest 0.01.

The General Elective courses and the Industrial Training course are not considered in the calculation of the GPA.

6. Academic Progression

6.1 The academic progression of a student is determined at the completion of each even semester based on two performance indicators as follows:

i) Cumulative Grade Point Average (CGPA), a GPA defined as in Rule 5.2 for the courses completed up to the end of the even semester, and

ii) Cumulative Credit Deficit (CCD), as defined in Rule 7.3.

6.2 A student having the following performance indicator criteria will be ineligible to proceed to the following academic year, and will have to improve the performance indicators to proceed to the next academic year:

i) At the end of Semester 2: CGPA less than or equal to 1.

ii) At the end of Semester 4: CGPA less than or equal to 1.5 or CCD greater than 36.

iii) At the end of Semester 6: CGPA less than or equal to 1.5 or CCD greater than 24.

7. Requirements for the Award of the Degree of Bachelor of the Science of Engineering Honours

7.1 Successful completion of the Degree Programme in Engineering within the stipulated period with a minimum GPA of 2.00, and

7.2 Successful completion of mandatory training courses prescribed by the Faculty Board with the approval of the Senate, and

7.3 Securing a minimum total of 144 credits and satisfying the minimum credit requirements as stipulated by the Faculty Board and approved by the Senate excluding the credits from the Industrial Training course.

i) where the student may be deemed to have earned 144 credits, provided that the grade in any of the courses is not below a D and the CCD defined as follows, does not exceed 16.

ii) $\mathrm{CCD} = \sum c_i \, d_i$ for all courses with a grade of D, D+ or C-,

where, c_i is the number of credits associated with a course in which the student has secured a grade of D, D+ or C- and d_i is the deficit weightage, defined as 1 for a D, 2/3 for a D+ and 1/2 for a C-.

7.4 The GPA calculated from the courses in the Degree Programme excluding General Elective courses and the Industrial Training course for the award of Classes/Passes are shown in Table A1.2.

Table A1.2: GPA requirements for the award of Classes/ Passes in the Degree Programme

First Class :	GPA ≥ 3.70
Second Class (Upper Division):	3.30 ≤ GPA < 3.70
Second Class (Lower Division) :	3.00 ≤ GPA < 3.30
Pass with Merit:	2.70 ≤ GPA < 3.00
Pass:	2.00 ≤ GPA < 2.70

8.**Claiming of the Degree**

8.1 A student who has satisfied the requirements for the Award of the Degree of Bachelor of the Science of Engineering Honours as specified in Rule 7 above shall claim the degree by submitting the duly completed degree claim form within the period announced for claiming the degree.

8.2 A student is permitted to claim the total credits specified for elective courses either by claiming to the exact figure or to the nearest highest figure in a combination of courses acceptable to the Dean of the Faculty. The GPA is based on the total credit values of the courses claimed.

9. **Special Considerations**

Notwithstanding the above provisions, each individual case may be dealt with on the basis of its own merit by the Faculty Board, subject to approval by the Senate.

ANNEXURE II

STUDENT GUIDE TO REGISTRATION AND COURSE COMPLETION

STUDENT GUIDE TO REGISTRATION AND COURSE COMPLETION

The students should conform to the Rules and Regulations of the Undergraduate Programme of the Faculty of Engineering given in Annexure I. Any clarification on the contents therein may be sought from the Dean or Assistant Registrar of the Faculty. The following section provide answers only to frequently asked questions.

a) The course selection may be changed during ADD/DROP period, after which no changes in registration are possible. The students who were unable to drop a course during the ADD/DROP period should follow the whole course and the grade will appear in the Academic Transcript.

b) After the ADD/DROP period the total recommended workload from the registered courses for the Semester is 18 credits and should not exceed 24 credits. The credits from EF4010: Industrial Training Course which is normally conducted during the vacation is outside this limit.

c) Students who fail to satisfy 80% course participation requirement of a course are considered to have not satisfactorily followed the course.

d) Normally a grade of C is required to earn credit in any course. If the grade is poor (less than C) the course can be repeated in a subsequent semester provided that the timetable allows to fulfil the attendance requirement. However, the maximum grade awarded for a repeated course unit is a "C".

e) Specified number of credits should be obtained from the general elective courses recommended by your Department.

f) Following a new elective course, the students have a chance of earning a grade as high as A+. Therefore, repeating an elective course which gives a maximum grade of C may not be productive.

g) Students can follow more technical/general elective courses than the minimum number required for successful completion of the degree. All the credits and grades of courses including repeated courses followed by a student will be shown in the academic transcript. However, a student can select the elective courses in which he/she has obtained the best grades to satisfy the GPA and credit requirements for the degree, subject to the approval of the relevant Department.

h) The sum of the credits of the selected electives (both technical and general separately) may sometimes exceed the minimum requirement by 1 credit due to different credit values from 1 to 3. This is allowed.

i) The student can graduate with a Class if he/she completes the minimum graduation requirements within four academic year duration in eight semesters or equivalent. Any student who has failed to complete the minimum graduation requirements within four academic year duration in eight semesters or equivalent is not eligible to get a Class or Merit Pass unless if he/she has been granted special permission.

j) The student should apply for graduation and demonstrate the completion of all requirements for graduation by filling the Degree Claim Form (DCF).

k) If a student falls ill while in residence, he/she shall immediately get in touch with the Chief Medical Officer of the University Health Centre. If the student falls ill at home or elsewhere during sessions or examination time, his/her guardian should inform the Dean of the Faculty by a letter within one week stating the nature of the illness, the name of the attending doctor etc.

l) If a student fails to attend an examination of a registered course due to illness or other exceptional reason and if he/she wishes to request for a makeup examination, he/she should make a request from the Dean of the Faculty for a makeup examination by a letter by the student himself or by a third person within one week of the examination of his/her absence with the valid reason for absence for consideration.*

m) To be excused for absence from examinations, coursework etc. for medical reasons, the student shall submit to the Dean of the Faculty a valid Medical Certificate conforming to the format of a medical certificate issued by a Government Hospital.

n) The medical certificate should be obtained from the Chief Medical Officer of the University or a District Medical Officer or, where treatment from a specialist is necessary, from a consultant specialist in the relevant field, or the Head of a Government Base Hospital, or the Medical Superintendent of a Provincial Ayurvedic Government Hospital. Under exceptional circumstances, the University Medical Board may accept medical certificates issued by a private hospital or by a registered private medical practitioner.

o) A student seeking to get his/her registration deferred at the time of registration should inform the University, giving reasons for such deferment, and obtain permission from the University for such deferment.

p) If a registered student is compelled to discontinue his/her course of study for any reason, he/she should notify the Dean of the Faculty as soon as possible to obtain permission to be away from the University. If a registered student of the University has abandoned his/her course of study without notifying the Dean, his/her request for readmission will not be entertained.

q) A request for absence, where granted, is for a maximum of one academic year, except on approved medical grounds. A request granted on medical grounds is for a maximum of two academic years. Readmission of the student is subject to the availability of a place in the Faculty at the time of re-admission. If a student fails to have his/her registration renewed at the beginning of each academic year as required, his or her name will be deleted from the class list of the Faculty, and the student will be informed accordingly.

r) In the event of a student being prevented by the University from continuing the Degree Programme, the time of the
interruption is included in the maximum period stipulated for completing the Degree Programme.

s) In the event that the student obtains approval for 'Deferment' or 'Leave of Absence', the granted time period is
excluded from the maximum period stipulated for completing the Degree Programme.

* *Subject to revision*

ANNEXURE III

FINANCIAL ASSISTANCE AND AWARDS

FINANCIAL ASSISTANCE AND AWARDS

Financial assistance is normally provided to needy Sri Lankan undergraduates in the form of Mahapola Scholarships and other awards by individuals and organizations.

1 MAHAPOLA SCHOLARSHIPS

This is a national scheme introduced by the Government of Sri Lanka to financially support deserving Sri Lankan students in institutions of higher education. The Mahapola Scholarship Trust Fund set up for this purpose offers two categories of Scholarships:

1.1 ***Mahapola Higher Education Merit Scholarships*** awarded on the basis of merit.

1.2 ***Mahapola Higher Education Scholarships*** awarded to needy students in the form of bursaries.

The general conditions on which these scholarships are awarded are:

(a) Scholarship money are payable for only ten-months of the academic year.

(b) A student receiving a Mahapola Scholarship cannot benefit financially from any other scholarship, but the student has the option to choose the scholarship from which he/she may receive financial support.

(c) The Board of Trustees may withdraw the scholarship awarded to a student if his/her work, conduct or attendance is reported to be unsatisfactory by the University Grants Commission or if the student fails an examination at the first attempt.

2 ENDOWED ACADEMIC AWARDS

The following awards are available to students of the Faculty of Engineering. While merit is the sole criterion for the award of Medals, Prizes and Scholarships, financial need is an important consideration in the award of Studentships. The criteria to select the best suitable student for each award and studentship may be revised to suit the course unit system and the changes in syllabi. The criterial for selection of medals, prizes and awards will be announced through FEeLS (Faculty of Engineering e-learning system)

2.1 Medals

(a) *Peradeniya University Gold Medal* endowed by the University of Peradeniya and awarded for the most outstanding student graduating from Faculty of Engineering.

(b) *The EOE Pereira Gold Medal* endowed by friends and well-wishers of Professor EOE Pereira and awarded to the most outstanding student graduating from the Faculty (Not be Awarded until further notice).

(c) *The Ceylon Electricity Board Gold Medal and Prize for Best Performance in Electrical and Electronic Engineering* endowed by the Ceylon Electricity Board and awarded to the student who has recorded the highest GPA at the Bachelor of the Science of Engineering Honors degree specializing in Electrical and Electronic Engineering

(d) *The Industrial and Financial Systems (IFS) Gold Medal for Excellence in Computer Engineering* endowed by the Industrial and Financial Systems Ltd. awarded to the student who has recorded the highest GPA of Bachelor of the Science of Engineering Honors degree specializing in Computer Engineering

(e) *Mr. Helarisi Abeyruwan Gold medal in Civil Engineering* endowed by past students, friends and colleagues of Helarisi Abeyruwan is awarded to the student who has recorded the best performance at the Bachelor of the Science of Engineering Honors degree specializing in Civil Engineering based on the highest GPA in Civil Engineering stream.

2.2 Prizes for Overall Performance

(a) *The C. A. Hewavitharana Memorial Prize for The Best Performance in* Engineering endowed by Mr WD Hewavitharana awarded to the student who has recorded the highest GPA at the Specialization Programme of Bachelor of the Science of Engineering Honors degree.

(b) *The Ceylon Development Engineering Prize for Best Performance in Civil Engineering* endowed by the Ceylon Development Engineering Co. Ltd. awarded to the student who has recorded the highest GPA of Bachelor of the Science of Engineering Honors degree specializing in Civil Engineering

(c) *The Channa Lalith Maddumage Memorial Prize for Best Performance in Mechanical Engineering,* endowed by Mr DS Maddumage awarded to the student who has recorded the highest GPA at the Bachelor of the Science of Engineering Honors degree specializing in Mechanical Engineering.

(d) *The Colombo Dockyard Prize for Best Performance in Manufacturing and Indusrtial Engineering*, endowed by Colombo Dockyard Ltd. awarded to the student who has recorded the highest GPA at the Bachelor of the Science of Engineering Honors degree specializing in Manufacturing and Industrial Engineering

(e) *The Bieco-Link Carbons Prize for Best Performance in Chemical and Process Engineering* endowed by Bieco-Link Carbons (Pvt.) Ltd. awarded to the student who has recorded the highest GPA at the Bachelor of the Science of Engineering Honors degree specializing in Chemical and Process Engineering

2.3 Prizes for Performance in a single subject or multiple subjects

(a) *The T Sivaprakasapillai Prize for Industrial Engineering* endowed by Mr J B Dissanayake through the Engineering Alumni Awards Fund awarded to the student who has recorded the best performance at the final course of Bachelor of the Science of Engineering Honors degree in the subjects that include Industrial Engineering (presently MI 4030).

(b) *The JB Dissanayake Prize for excellence in Industrial Training* endowed by Professor AS Balasubramaniam through the Engineering Alumni Awards Fund awarded to the student who has recorded the best performance at the Bachelor of the Science of Engineering Honors degree in the subject EF4010.

(c) *The EF Bartholomeusz Prize for Engineering* Mathematics endowed by Mr KK Gunawardana through the Engineering Alumni Awards Fund awarded to the student who has recorded the highest Average Grade Point at the final course in Bachelor of the Science of Engineering Honors degree program in the subjects that include Engineering Mathematics

(d) *The EOE Pereira Prize for Structures (I)* endowed by the friends and well-wishers of Professor EOE Pereira awarded to the student who has recorded the best performance at the final course in Bachelor of the Science of Engineering Honors degree in the subject that includes Structures (presently CE 2010).

(e) *The EOE Pereira Prize for Structures (II)* endowed by the friends and well-wishers of Professor EOE Pereira awarded to the student who has recorded the best performance at the final course in Bachelor of the Science of Engineering Honors degree in the subject that includes Structures (presently CE 3020).

(f) *The HB de Silva Prize for Surveying* endowed by Dr AGKdeS Abeysuriya through the Engineering Alumni Awards Fund awarded to the student who has recorded the best performance at the final course in Bachelor of the Science of Engineering Honors degree in the subject that includes Surveying (presently CE 2150).

(g) *The A Thurairajah Prize for Geotechnics* endowed by Mr. M P Gunasekera through the Engineering Alumni Awards Fund awarded to the student who has recorded the best performance at the final course in Bachelor of the Science of Engineering Honors degree in the subject that includes Geotechnics (presently CE 3070).

(h) *The M Amaratunga Prize for Strength of* Materials endowed by Professor MP Ranaweera through the Engineering Alumni Awards Fund awarded to the student who has recorded the best performance at the final course of Bachelor of the Science of Engineering Honors degree in the subject that includes Strength of Materials (presently CE 1130).

(i) *The RH Paul Prize for Electrical Power and* Machines endowed by friends and well-wishers of Professor RH Paul, awarded to the student who has recorded the highest raw marks at the final course of Bachelor of the Science of Engineering Honors degree in the subjects that include Electrical Power and Machines (presently EE 3020 and EE 5500).

(f) *The WMG Fernando Prize for Electronic Communications* endowed by Professor FVC Mendis through the Engineering Alumni Awards Fund awarded to the student who has recorded the highest marks at the final course of Bachelor of the Science of Engineering Honors degree in the subjects that includes Electronic Communications (presently EE 3030 and any one of EE 5310 and EE 5350).

(g) *The JCV Chinnappa Prize for Energy Studies* endowed by Professor NE Wijeysundera through the Engineering Alumni Awards Fund awarded to the student who has recorded the highest Average Grade Point at the final course of Bachelor of the Science of Engineering Honors degree in the subjects that include Energy Studies (equivalents of ME 223, ME 323, ME 329, ME 501 and ME330).

(h) *The LRL Perera Prize for Thermodynamics* endowed by Mr LRL Perera awarded to the student who has recorded the best performance at the Bachelor of the Science of Engineering Honors degree in the subjects that include Thermodynamics (equivalents of ME 303 and ME 513).

(i) *The S Mahalingam Prize for Mechanics of Machines* endowed by the staff and students of the Faculty of Engineering is awarded to the student who has recorded the highest Average Grade Point at the Bachelor of

the Science of Engineering Honors degree in the subjects that include Mechanics of Machines (equivalents of ME 211, ME 205 and ME301).

(j) *The WP Jayasekara Prize for the best student project in the area of Electrical & Electronic Engineering* endowed by Mr Nihal Kularathne is awarded to the student who has recorded the best performance (highest marks for the subject to the nearest 0.1%) at the Bachelor of the Science of Engineering Honors degree in the subject that includes student project in Electrical & Electronic Engineering (presently EE 4020).

(k) *MP Ranaweera Prize for Computer Aided Structural Design* endowed by past students, friends and colleagues of Prof. M. P. Ranaweera is awarded to the student who has recorded the best performance at the Bachelor of the Science of Engineering Honors degree in the area of Computer Aided Structural Design based on the performance of the subject CE 5040.

(p) MP Ranaweera Prize for Finite Element Methods in Solid Mechanics endowed by past students, friends and colleagues of Prof. M. P. Ranaweera is awarded to the student who has recorded the best performance at the Bachelor of the Science of Engineering Honors degree in the area of Finite Element Methods in Solid Mechanics based on the performance of the subject CE 3110.

(q) The Prof. TDMA Samuel Prize for enthusiasm and excellence for Engineering Mathematics endowed by Prof. Rosabelle Samuel is awarded to the student who has recorded the best performance at the Bachelor of the Science of Engineering Honors degree having obtained and claimed a minimum of nineteen credits (19 credits) of Engineering Mathematics courses with a grade of at least B+ for each, offered in all semesters at the end of the 8th semester.

(r) Professor J.A. Gunawardena Prize for the best performance in Control Engineering endowed by the graduates of the E/94 batch of the Faculty of Engineering, University of Peradeniya awarded to the student who has recorded the best performance at the Bachelor of the Science of Engineering Honors degree having obtained and claimed the below mentioned Control Robotics and Automation Engineering courses offered by the Department of Electrical and Electronic Engineering in the Semesters 3 to 8 in for the courses Automatic Control Systems EE3010, AND any two of the following courses; Advanced Topics in Control Systems EE5610, Nonlinear Systems and Control EE5620, Robotics EE5600, or Industrial Automation EE5630.

(s) Professor J.A. Gunawardena Prize for the best performance in Electronic Engineering endowed by the Alumni of the Faculty of Engineering, University of Peradeniya is awarded to the student who has recorded the best performance at the Bachelor of the Science of Engineering Honors degree having obtained and claimed the below mentioned Electronic Engineering Core courses offered by the Department of Electrical and Electronic Engineering in the Semesters 3 to 8 in for the courses Analog Electronics EE 2040, Electronic Circuits EE 2090 AND any one of the following courses; Integrated Analog Electronic Circuits EE 5400 or Power Electronic Applications and Design EE 5530.

2.4 Deans' List

1. The Deans' List is an award to students who have shown academic excellence within a given academic year.

2. A student who is eligible to be included in the Dean's List shall have;

   a. registered and completed courses of at least 15 credits each obtaining pass grades in the two semesters[1] of the academic year concerned of which at least a total of 21 credits should be from courses that are usually counted for the GPA calculations;

   b. attainted a GPA of not less than 3.70 from all the courses offered in the two semesters that are usually counted for the GPA calculation

3. Those who are selected to be in the Deans' List will be awarded a certificate and their names with their qualifications will be published in the Faculty web page.

4. The preliminary selection to the Deans' List will be conducted by the Scholarship Committee of the Faculty of Engineering and the final list will be decided by the Faculty Board of the Faculty of Engineering.

5. Selection will be made within the first month of a new academic year.

Note: [1] the 7th semester for students following Computer Engineering specialization will be considered as the combination of the two 'Short Semesters'.

3 Open Studentships

These studentships are open for students with financial difficulties and applications will be called by the Deans' office.

Table A3.1: Open Studentships

	NAME OF THE STUDENTSHIP
1	Ananda Amarasinghe Memorial Trust
2	RH Gunaratne Memorial Scholarship Fund
3	M/S Ceylon Tobacco Co. Ltd Scholarship
4	EOE Pereira Studentship
5	RH Paul Studentship
6	Ceylon Oils and Fats Corporation Studentship
7	LRL Perera Fund
8	Colombo Dockyard Studentship
9	Sumitra Munasinghe Studentship
10	Eardly Perera Studentship
11	CL Maddumage Studentship
12	Siripala Jayasinghe Studentship
13	Engineering Jubilee Exhibition Distress Grant
14	Prof. WP Jayasekara Studentship
15	Prof. S Mahalingam Studentship
16	Sri Lanka Telecom Scholarship
17	N Wickramaratne Scholarship
18	Engineering Faculty Studentship
19	Gulamhussaina J Noorbhai Studentship
20	DS Gunasekara Studentship
21	LB Abeyratne Studentship
22	Engineering Faculty 1963/67 Batch Studentship (i)
23	NB Rambukkwella Studentship
24	Engineering Faculty 1963/67 Batch Studentship (ii)
25	Prof. TDA Samuel Studentship
26	Prof. Sanath Ranatunge Studentship
27	K Ramachandra Studentship

ANNEXURE IV

OUTLINE OF SYLLABI

OUTLINE OF SYLLABI

Notation: L - Lectures; T - Tutorials; P - Practical classes; A - Assignments; SG-Small Group Activities

FIRST SEMESTER COURSES

CE1010 Engineering Mechanics (3 credits)
Introduction: Force systems: Forces and couples; equilibrium of rigid body; **Analysis of simple structures**: structures and components; loads and supports; internal and external forces; free-body diagrams; statically determinate structures; analysis of trusses; beams and shear force and bending moment diagrams; stress and strain; Hooke's law, and deformation of axially loaded members; statically indeterminate problems; **Bending of beams**: Simple bending theory and its applications; **Work and energy methods**: work due to forces and couples; virtual displacements and virtual work; strain energy and potential energy; energy principles; **Kinematics of Particle Motion:** Description of particle motion in 3D Inertial frames and in moving frames. The use of the Euclidian group of translations in describing the relative motion of frames; **Kinetics of Particle Motion:** Concept of Space-Time, mass and conservation of linear momentum and its relationship to Newton's Laws; The concept of force, meaning of kinetic energy, the notion of spatial angular momentum; conservation of spatial angular momentum; **Newton's laws in Moving Frames:** The meaning of centrifugal, Coriolis, Euler, and Einstein forces. Application to the description of complex motion of systems that can be approximated as particles (L34, T6, P10 = 45)

CO1010 Programming for Engineers (3 credits)
Basics: Variables. Operators and precedence. Data types. Number systems and numerical precision. **Control Structures:** Conditions and loops. **Modularization:** Standard libraries and functions. User-defined functions. **Input/Output:** Standard input/output. File input and file output. **Data Structures:** List and list comprehension. String processing and formatting. Stack and Queue. Dictionaries. **Object-Oriented Concepts:** Classes and Objects. Accessing variables and functions within objects. **Quality Assurance:** Good programming practices. Testing. Debugging. Exception and error handling. **Algorithms:** Developing algorithms and writing programs for the solution of well-defined problems related to Engineering. **Numerical Computations:** Introduce concepts of numerical packages/libraries such as numpy and the use of mathematical software such as Matlab to solve problems such as those listed under Algorithms. (L15, T10, P30, A10 = 45)

EE1010 Electricity (3 credits)
Introduction: Field theory as a tool to understand the universe, Fundamentals of Fields, Introduction to field theory. **Electrostatics:** Electric Charge and Coulomb's Law, Permittivity, Electric field, Gauss law, Electric flux, Electric potential, Energy stored in a static electric field, Dielectric polarization, boundary conditions, Capacitance. **Magnetism:** Magnetic flux and Flux density (B), Permeability, Magnetic field intensity (H), Biot-Savart law, Ampere's law, Gauss law for magnetic fields, Magnetic force and torque, , Self and mutual inductance, Faraday's law of Induction, Lenz's law, Stored energy in the magnetic field, Magnetic properties of materials, B-H curve, Reluctance and magnetic circuits, eddy current, hysteresis and iron losses. **Linear Electrical Circuit Analysis: Steady state analysis:** Charge flow - ohms law, current and current density (J), resistance and resistivity, impedance and admittance, Mesh and nodal analysis, Thevenin's theorem, Norton's theorem, Maximum power transfer theorem. **Linear Electrical Circuit Analysis: Transient analysis:** Analysis of RC, RL and RLC circuits under dc excitation. **Advances in modelling techniques:** Recent developments in modelling electrical phenomena. **Introduction to the state-of-the-art analysis tools:** Modern tools for electrical and magnetic field analysis, electrical circuit analysis. **Electrical Engineering Mini Project** (L29, T4, P24 = 45)

EF1010 English for Communication I (3 credits)
Listening Comprehension: Listening comprehension on dialogues, short & long lectures, talks, documentaries; method of taking down notes for comprehension, tabulate information, paraphrase and summarize content through listening exercises. **Reading Comprehension:** Reading passages and articles from various disciplines to acquire reading skills such as skimming & scanning; reading comprehension, paraphrasing, improve vocabulary and critical analysis of content. **Writing:** Composing a structured discourse on general descriptions, processes, essays, graph descriptions and lab reports; writing with cohesion using relevant grammatical components. **Speech:** Effective use of the English language to communicate in different contexts such as dialogues, impromptu & prepared speeches, debates, discussions and presentations. (L10, A70 = 45)

MA1100 Ethics and Sustainability (2 credits)
Ethics and Morality: Concept of morality; personal morality; common morality; core values. **Academic integrity**: Usage of information; citation and acknowledgement; plagiarism; impersonation. **Professional Ethics**: Engineers in an organisation; introduction to IESL Code of Ethics. **Ethics and Sustainability**: Ethical considerations in decision making for sustainable development projects – application of IESL Code of Ethics. **Global environmental and social issues:** Global environmental issues with particular emphasis on global warming and recourse limitation; Contribution from present development practices to these issues. Need for different approaches for development. **Concept of Sustainable Development**: Concept of sustainable development, three pillars of sustainability, the need for a

sustainable approach to development; Sustainable development goals (SDGs). **Introduction to Tools and Concepts for sustainable development of Industries**: Concepts of Life Cycle Thinking, design for sustainability, cleaner production, sustainable consumption and production, circular economy. (L15, SG15 = 30)

EM1010 Calculus I (4 credits)
Functions of a Single Variable: Functions and Limits, Continuity and Differentiability of real valued functions, Intermediate value theorem, Rolle's theorem, Mean value theorem, Leibnitz theorem, and tangent line approximation, extreme values, integration of single variable function. **Sequences and Series**: Monotonic and bounded sequences, Convergence, divergence and oscillation of a sequence, Series and their convergence, Real power series and their convergence, Maclaurin and Taylor series approximation. **First order Ordinary Differential Equations:** Differential Equations as a mathematical model and Classification, Separable, Linear, Exact, Reducible forms. **Vector approach to geometry in space**: Vectors, Determinant, Vector equations of lines and planes and their geometry, Parametric representation of curves in planes, Curvature, radius and centre of curvature, Derivatives of vector valued function in parametric form. **Functions of Several Variables**: Limit and continuity of functions of two and three variables, Partial derivatives and total differential, Chain rule and higher order partial derivatives. **Functions of Complex Variables:** Roots of unity and functions of complex variables, Mapping of complex variables, Derivatives of complex functions, Cauchy Riemann equation, Holomorphic functions, Harmonic functions. (L48, T6, A12 = 60)

COURSES IN SPECIALIZATIONS OF THE DEGREE PROGRAM

The course structure and the relevant Core courses and Technical Elective course details are available in the following links:

- Chemical & Process Engineering
- Civil Engineering
- Computer Engineering
- Electrical & Electronic Engineering
- Manufacturing and Industrial Engineering
- Mechanical Engineering

GENERAL ELECTIVE COURSES (Subject to periodic revision)

General Elective courses managed by the Engineering Education Unit (EEU) are listed here. The GE courses offered by the Department of Engineering Management are listed here.

ANNEXURE V

ENGINEERING EDUCATION AND UNIVERSITY OF PERADENIYA

"Scientists study the world as it is, engineers create the world that never has been."
– Theodore von Karman

ENGINEERING EDUCATION AND UNIVERSITY OF PERADENIYA

The Nature of Engineering

Engineering has been described as the art of the practical application of scientific principles to "directing the great sources of power in nature for the use and convenience of man". It involves men, money, material, machine and energy and "requires above all the creative imagination to innovate useful applications of natural phenomena". It also has the character of a never-ending search for "newer, cheaper, better means of using natural sources of energy and materials to improve man's standard of living and to diminish labour".

Evolution of Engineering Education

Academic training of engineers, as is known it today, took a long time to gain recognition and acceptance due to resistance from within the profession as well as from the universities. Even in Britain, the cradle of the Industrial Revolution, the official history of the Institution of Electrical Engineers (1871 - 1971) records that "the traditional English road to a professional career [in the nineteenth century] did not lie through a university but through apprenticeship: 'learning by doing'. For the solicitor this meant an articled clerkship; for the doctor, 'walking the wards'; for the civil engineer pupilage in the drawing office and on the site; for the mechanical engineer 'going through the mill'. 'Premium apprentices' heading for a professional career, were marked off from apprentices on the way to becoming skilled tradesmen by the fees that their parents paid and by the expectation that they would study in their spare time. Engineering employers as a rule were apt to be scornful of academic achievements and young men/women who had them might find it politic to keep them hidden. The idea that engineers might qualify by examination was far, very far indeed, from the minds of mid-century employers although Sir John Rennie, a most eminent civil engineer, said as early as 1867, speaking of his own profession, that qualification by examination was 'the only method by which it can take rank among the learned professions".

In the mid-nineteenth century the proposal to teach engineering in the universities in Britain also ran into opposition from some conservative academics who felt that engineering was far too empirical to be "a proper department in which a degree should be conferred". Radical changes in thinking have taken place since then. In today's complex technological society, graduate engineers form an overwhelming majority of the membership of the professional engineering institutions all over the world. It has been predicted that before long an engineering degree will be a basic requirement for the Corporate Membership of such bodies.

Engineering Education in Sri Lanka: a Brief History

In the development of British colonial territories, the teaching of medicine was generally given priority over other forms of tertiary education. This policy led to the establishment in 1870 of a Medical College in Colombo as an "elementary school" for training medical assistants. The College began to expand rapidly and by 1888 it was sufficiently well developed for its LMS (Licentiate of Medicine and Surgery) to be recognised by the General Medical Council of Great Britain. Thus it had become a college for training fully qualified doctors. In 1874, a Council of Legal Education (later Law College) was created to produce lawyers. In a similar development a Technical School was founded in Colombo in 1893 to train sub-professional engineering personnel. It was renamed the Ceylon Technical College in 1933. Unfortunately, the colonial authorities did not have a clear policy on technical education, and in consequence the college went through many vicissitudes being nearly downgraded to an Industrial School at one stage.

Fortunately, engineering education received a welcome stimulus from an unexpected quarter. This was the Ceylon University College, which had been founded in 1921 to prepare students for the University of London's external degrees in Arts and Science. In 1923 the college announced a scheme to award two scholarships every year to promising Science graduates to follow Engineering degree courses in Britain and practical training thereafter. This was to prove a significant step in producing engineering graduates, some of whom would, in due course, rise to the highest levels in the profession and in academia. The Government ended the Engineering Scholarship Scheme in 1932, after a total of 20 awards had been made.

In the meantime, the Ceylon Technical College, where the main activity was the preparation of students for the Associate Membership Examinations of the three major professional institutions in Britain, was being developed steadily. In 1942 it was able to reach University College rank when it received provisional recognition from the University of London to prepare students for its external degree in Engineering. Owing to the prevailing wartime conditions the requirement of an inspection of the teaching facilities was waived.

On 1st July 1942 the University of Ceylon –the first university in the country– was established by the amalgamation of the Ceylon University College and the Ceylon Medical College. At the inception there were four faculties: Arts, Oriental Studies, Science and Medicine. Although the need for Engineering was recognized, planning was deferred owing to the shortage of funds in the stringent wartime economy. The availability of degree courses at the Ceylon Technical College was also another reason for lowering the priority of Engineering. However, in December 1949 a crisis erupted at the Ceylon Technical College when the University of London made known its intention of reconsidering the provisional recognition in view of some serious shortcomings in the college. This development

caused great concern, as continued recognition appeared to be in doubt. The government responded to the crisis by requesting the University of Ceylon to set up a Faculty of Engineering by 1 July 1950. Ill prepared though it was, the University accepted the challenge and with this decision the degree courses at the Ceylon Technical College were wound up.

The Faculty of Engineering

The permanent home of the new Faculty was to be in the residential campus in Peradeniya, but until the buildings were ready it was located in Colombo. For the time being, therefore, it had to make use of the laboratory facilities at the Ceylon Technical College, supplementing them with its own equipment. It had three departments of study: Civil Engineering, Electrical Engineering and Mechanical Engineering.

The site for the Engineering complex was a 6-hectare block on the left bank of the Mahaweli River across which a bridge was built for access to the rest of the Campus. The entire project was planned by the staff of the Faculty and the University architects without any significant expatriate expertise. The laboratories, classrooms, library and other facilities were designed for quick and easy access, and ample provision was made for future expansion. When the project was completed in 1964 the move from Colombo took place. The facilities had a floor area of about 18,500 square metres, and 11,200 square metres have been added since then.

In 1942, when degree courses commenced at the Ceylon Technical College, the number of professional engineers in the country was estimated to be around 210, and 104 graduated in the period 1942-50 when the College had its link with the University of London. On the basis of these figures the intake of freshmen to the Faculty in 1950 was fixed at 25. This figure was steadily increased over the years, reaching 150 in 1964, the year of the move to Peradeniya. On requests from the UGC the intake was raised to 250 in 1978 and is currently 455. From its inception in 1950 to 1971, when a second Faculty of Engineering was opened at Katubedde, this Faculty was the only source of supply of graduate engineers in the country. During the period 1950-53 when the Faculty undertook the task of completing the instruction of Ceylon Technical College undergraduates affected by the termination of the degree courses, 92 graduated with the University of London degree. The University of Ceylon's BScEng degree was first awarded in 1953, and in the period 1953-2007, 8956 students have obtained this degree.

Steady expansion and diversification of the Faculty have taken place since the move to Peradeniya and there are now eight departments of study: Civil Engineering, Electrical and Electronic Engineering, Manufacturing and Industrial Engineering, Mechanical Engineering, Chemical and Process Engineering, Engineering Mathematics, Computer Engineering and Engineering Management. The number of professorial chairs in the Faculty is eleven – three each in Civil Engineering, and Electrical & Electronic Engineering, two in Mechanical Engineering and one each in Engineering Mathematics, Manufacturing & IndustrialEngineering and Chemical and Process Engineering.

The Faculty offers a full-time undergraduate programme leading to the Degree of Bachelor of the Science of Engineering Honours (BScEngHons). This is of four-years duration, the first semester being common to all students and the remaining seven semesters devoted to specialization in one of the branches of engineering. Coursework (laboratory, design and fieldwork), projects and industrial training form an essential part of the undergraduate course. The undergraduate programmes of the past, with an examination at the end of each academic year, have been replaced by programmes based on the Semester System with effect from 2002, with continuous assessment and examinations held every semester. There are examinations at the end of each Semester

The Faculty offers postgraduate programmes leading to Postgraduate Diploma in specialized fields of Engineering (PGDip), degrees of Master of the Science (MSc), degrees of Master of the Science of Engineering (MScEng), Master of Philosophy (MPhil) and Doctor of Philosophy (PhD).

In spite of having to contend with many difficulties similar to those experienced by the universities of other developing countries, the Faculty provides an academic environment of the highest quality and has maintained a gratifying record of teaching, research and public service, the traditional functions of institutions of higher education. Research done in the Faculty has been published at home and abroad, while its consultancy and laboratory services have been provided over the years to private and public sector establishments in the country.

Women in Engineering

In Sri Lanka there have never been legal barriers to women aspiring to higher education, and from the very beginning, they were free to seek entry to any department of study in the Medical, Law, Technical and University Colleges. But the traditional conservatism that prevailed in the early years stood in the way of professional careers, and many of them opted for courses in the Arts and the Humanities. These attitudes began to change in the post-war milieu and women began to spread out into all other fields. The Faculty of Engineering which had been regarded as the proud preserve of men, admitted its first woman undergraduate in 1960 and she went on to specialize in Civil Engineering. Since then the pace has quickened, and the numbers have been increasing steadily. Women engineers have now become well established in the profession, and some have risen to important positions at home and abroad.

The University of Peradeniya

The University of Ceylon, the first university in the country, was established in 1942 under the Ceylon University Ordinance (No. 20 of 1942) as a unitary, residential and autonomous corporation. The seat of the university was to be Peradeniya, to which it moved in 1952. With the passage of time the demand for higher education kept increasing, and more universities of different characters were created. In 1967 the government decided to separate the two wings of the University of Ceylon to create two independent universities. After this bifurcation, the Peradeniya wing was named University of Ceylon, Peradeniya. In 1972 there was a complete reorganization of the university system by the University of Ceylon Act No. 1 of 1972, which was passed in January 1972. All the existing universities were merged into a single monolithic University of Ceylon, administered from Colombo. The original universities became constituent campuses, and Peradeniya was given the name University of Ceylon, Peradeniya Campus. When Parliament adopted a Republican Constitution later in 1972, the country's name was changed to Sri Lanka, and this university became known as University of Sri Lanka, Peradeniya Campus. Another reorganization of the University system took place in 1978. By the University Act No. 16 of 1978 (passed in December 1978), the pre-1972 administrative system was restored, creating separate Universities enjoying self-governing powers, under the overall direction of the University Grants Commission. This Act conferred on this university the name of University of Peradeniya. Although many changes have taken place in the administrative structure of the university, it still retains its residential character. The original planning of the campus was based on an estimated student population of 1,000, however, at present there are about 13,000 students on roll, well in excess of the available residential capacity. An expansion of the residential facilities is now going on, and progress will depend on the availability of funds. With its nine faculties – Agriculture, Allied Health Sciences, Arts, Dental Sciences, Engineering, Management, Medicine, Science and Veterinary Medicine & Animal Science – Peradeniya remains the largest and the oldest university in the country.

ANNEXTURE VI

Part 03 of Chapter 44-Manual of Procedure for Conduct of undergraduate Examinations of the University of Peradeniya, Pages 88-101

Regulation Relating to Examination Procedure, Offences and Punishments for Examinations Conducted under the Semester-Based Course Unit System

PROCEDURES FOR CONDUCT OF UNDERGRADUATE EXAMINATIONS

Centre for Quality Assurance (CQA) has prepared a Manual of Procedures for Conduct of Undergraduate Examination which comprises eight parts. Part 03 of the Manual of Procedures for Conduct of Undergraduate Examination of the University of Peradeniya updates the content of the previous University Calendar 2018/19 on the above. The content of the Part 03 of the Manual is given below.

- 3.1 Handling Examination Offences
- 3.2 Regulations Relating to Examination Procedure
- 3.3 Examination Offences and Punishments
- 3.4 Procedure on Examination Offences Committed by Candidates
    - 3.4.1 Classification of offences
    - 3.4.2 The Procedure of Handling an Examination Offence
- 3.5 Acceptance of Medical Certificates Submitted by Students for Course Work and Examinations
    - 3.5.1 Procedure for the Acceptance of Medical Certificates
    - 3.5.2 Medical Boards
- 3.6 Examination offences by those other than candidates
    - 3.6.1 The types of offences
    - 3.6.2 Handling Examination Offences by those Other than Candidates

In addition to the above content, the Manual includes the relevant university-level policies, the detailed examination process in three phases, definitions, duties and responsibilities of different types of examiners, their ToRs, an elaborated part on moderation of assessments, University Standard Operating Procedures on Assessments, applicable UGC circulars, and templates of various forms and transcript. Therefore, users are referred to the Manual of Procedures for Conduct of Undergraduate Examination of the University of Peradeniya for examination-related matters. However, for regulations relating to examination procedure, offences and punishments for examinations conducted under the old annual system, the users are requested to refer to section 31 of the University Calendar 2007/08.

Manual of Procedure for Conduct of Undergraduate Examinations of the University of Peradeniya is available, here.

This has been approved by the Senate in its 486th meeting held on September 26, 2023 and approved by the Council in its 535th meeting held on October 29, 2023.

BY-LAWS RELATING TO STUDENT MATTERS

39

39.1 Student Discipline

Given below are the By-laws made by the Council of University of Peradeniya under Section 29(n) read with Section 135 (1) (d) of the Universities Act No. 16 of 1978

BY-LAWS

PART I – GENERAL

1. These By-laws may be cited as the "By-laws relating to Student Discipline" and shall come into operation on 28/06/2020. These By-laws supersede any other By-laws or Regulations related to Student Discipline that may have been issued to students earlier.

2. For all internal disciplinary proceedings, suits, prosecutions, appeals or other legal proceedings civil and criminal which have been commenced or instituted in any court/s or tribunal by or against the University of Peradeniya (hereinafter referred to as the University) prior to the date of coming into operation of the present By-laws, the provisions of the previous By-laws No. 01 of 1996 shall apply.

3. Without prejudice to the generality of the powers, duties and functions conferred upon or imposed on the Council by the Universities Act No. 16 of 1978 (hereinafter referred to as the Universities Act) or any other instrument, the Council shall be responsible for the administration and implementation of these By-laws.

4. Notwithstanding anything to the contrary in any of the provisions of these By-laws, the Vice-Chancellor shall take appropriate action he deems necessary to maintain discipline at the University and nothing in these By-laws shall be construed in any manner to detract from the powers, duties and functions, conferred on or imposed upon the Vice-Chancellor by the Universities Act or by any other Instrument.

5. These By-laws shall apply to every registered student (herein after referred to as the "Student") of the University.

6. Students are admitted and registered as undergraduates or graduate students of the University, subject to their good behavior and the observance of strict discipline.

7. Each and every student of the University shall be issued with a copy of these By- laws, the provisions of which will be binding on him/her in conformity with the declaration made by him/her in terms of Section 8 of the application form for enrolment of new entrants submitted by him/her to the University of Peradeniya.

8. Upon coming into operation of these By-laws, the University shall have full power and authority to consider and assess the conduct of each student in determining the eligibility of such students for the conferment of the degree, diploma, certificate or other academic distinction.

9. Upon the receipt of an application on the prescribed form for registration as a student, together with such documents as may be necessary for this purpose, the Registrar or such other officer as may be nominated by him/her for this purpose, shall register such student and shall issue the student, so registered, an Identity Card and Student's Record Book bearing the photograph of the student concerned duly embossed with the seal of the University.

10. Identity Card and the Student's Record Book shall be the final and conclusive evidence pertaining to the identity of the student and also to the accuracy of the particulars stated therein. The particulars stated in the Identity Card or Student's Record Book shall be deemed to contain prima facie evidence of the status of the student.

PART – II - Responsibilities & Duties of a Student and Offences

Responsibilities & Duties:

11. Every student of the University shall have in his possession either such Identity Card or Students' Record Book which he shall produce when called upon to do so by the Proctor, Dean, Deputy Proctor, Warden, Sub-warden, a member of the Academic Staff, Marshals, Security Officers, Chairman/Senior Student Counselors, Student Counselors or by a person authorized by the Vice-Chancellor, Deputy Vice-Chancellor or Registrar for this purpose.

12. Every student of the University shall be of good behavior and shall, at all times, conduct himself/herself in an orderly manner befitting the status of an undergraduate, graduate or an affiliated student.

13. Students of the University at all times shall endeavor to safeguard the dignity, good name and the reputation of the University.

14. Every student shall be bound to protect and safeguard the property of the University.

15. Every student shall endeavor to foster a corporate and community spirit of life and shall always respect the liberty, freedom and personhood of other students.

Offences:

16. Any student who acts in any manner stipulated in the following paragraphs (i) to (xv) shall be deemed to have committed an offence/s and he or she shall be liable to be punished in accordance with the provisions of these By-Laws and any other instrument.

    i. Fails, willfully refuses, or neglects to produce the Identity Card or Student's Record Book when called upon to do so by any officer as prescribed under the paragraph 11 above.

       In such instances, such officer, shall have the power to take such student into custody and produce him/her before the Prescribed Authority for further action.

    ii. Incites, provokes or aids and abets any other student within the University to commit an offence punishable under the laws of country or incites, provokes or aids and abets any other student within the University to commit any one or more offences prescribed herein these By-laws and any other instrument.

    iii. Engages in any act which may be calculated to humiliate, ridicule, hurt or harass another student, a member of the University Community or any other person within the University premises or engages in any conduct which may bring the University to disrepute.

    iv. Engages in ragging or any act causing any other form of physical and/or mental distress to a student or a person within or outside the University in contravention of the provisions of the Prohibition of Ragging and Other Forms of Violence in Educational Institutions Act No 20 of 1998.

    v. Conducts any act which could lead to disruption of the University academic and/or administrative functions/procedures.

    vi. Disrupts the social and/or personal life and/or harmony of other students, the University community and/or any other person within the University.

    vii. Damages and/or destroys, attempts to damage and/or destroy property of the University.

    viii. Does not comply with any by-laws, regulations, rules, policies, circulars, orders and/or directions issued by the University authorities from time to time.

ix. Summons, canvasses, causes the holding or hold meetings and/or public gathering and/or public speeches and/or any other similar activity within the University premises by any student/s, University Union or Society, or other association of students of the University under the following conditions:

a. Without the prior written approval of the prescribed authority.

b. Nonconformity with the terms and conditions relating to the venue and the date of such meeting and its duration and any other matter as may be deemed necessary in the circumstances as approved by the prescribed authority.

x. Steals property belonging to other students or any other person within the University and the property belongs to the University.

xi. Engages in any act that would be detrimental or prejudicial to the good name of the University or acts in contravention of the Universities Act or any other instrument.

xii. Collects subscriptions or currency and/or solicits money among the students, staff of the University or the general public by any student/s or office bearer of any Union, Society or Association without having first obtained the prior written consent of the Vice-Chancellor.

Provided, however, that the provisions of this paragraph shall not apply to subscriptions collected by a registered Union, Society or Association in accordance with its constitution or any By-law made in terms of Section 115(2) of the Act.

xiii. Publishes and/or distributes, circulates or exhibits any words, notice, pamphlets, publications and printed material detrimental to the good name and discipline of the University, defamatory of any member of the staff or students of the University in the University premises and or its territorial boundaries.

Provided however, that the provision of this paragraph shall not apply to the following:

a. Notices, pamphlets, publications and printed material related to the activities of any registered student union, society or other association established and recognized under section 115 of the Act and intended solely for the furthering of academic or social objectives.

b. Such material that is not detrimental to the good name and discipline of the University or any member of the staff or student of the University.

xiv. Prints such notices, pamphlets, publications and printed material as mentioned under paragraph xiii, without the signature of the President or the Secretary of such students' Union, Society or other association.

xv. Fails or neglects to comply with the other By-laws, Rules, Regulations, Ordinances and policies and any other instrument applicable to the University.

PART III - Powers of Board of Discipline, Vice-Chancellor, Deputy Vice-Chancellor, Proctor, Dean, Deputy Proctor, Warden and Marshals in student discipline

BOARD OF DISCIPLINE

17. Upon coming into operation of these By-laws, there shall be established a Board of Discipline (Hereinafter referred to as "BOD") constituted as provided in paragraph 18 hereof.

18. The BOD shall consist of the following members, who shall hold office for a period of 01 (one) year with effect from the date of appointment.

    i. Dean of each Faculty

    ii. The Proctor, or a Deputy Proctor nominated by the Proctor other than the Deputy Proctor nominated by the Vice-Chancellor

    iii. A Deputy Proctor nominated by the Vice-Chancellor

    iv. Two Wardens nominated by the Vice-Chancellor

    v. Two members of the Council nominated by the Council, from among its appointed members

    vi. Two Senior Student Counselors nominated by the Vice-Chancellor 19. The

Registrar or his nominee shall be the ex-officio Secretary of the BOD.

20. The Chairman of the BOD shall be elected by the members from among the Deans and he shall preside at all meetings of the BOD. If the Chairman is unable to preside at a meeting, the members shall appoint any other Dean to preside at such meeting.

21. The Chairman shall hold office for a period of 1 year reckoned from the date of his election so long as he retains the status of membership by virtue of which he was eligible for election as the Chairman of the BOD and is eligible for re- election. If he wishes to resign from the services as the Chairman, he must inform in writing to the Vice-Chancellor who would then request the BOD to appoint another member from among the Deans.

22. The quorum for the meetings of the BOD shall be seven members.
23. The BOD shall meet at least once in every three months.

24. Subject to the provisions of the Act, and of any other instrument, the BOD shall have the following powers, duties and functions:

    i. To regulate and determine all matters concerning the maintenance of student discipline within the University;

    ii. To make Rules pertaining to student discipline within the University;

    iii. To review the report of the Committee of Inquiry and recommend to the Vice Chancellor either of the following:

        a. To impose appropriate penalties or punishments, on any student or students who have been found guilty of any acts of indiscipline or misconduct or who have been found guilty of an offence or acting in contravention of the provisions of these By-laws or the Rules made by the BOD;

        b. If the BOD requires further clarification on any point, the Board may refer the matter back to the Committee of Inquiry, or for further inquiry as necessary. If circumstances justify, the BOD may recommend to quash any inquiry proceeding and request the Vice-Chancellor to hold a fresh inquiry;

iv. To invite any person to the BOD proceedings, if the Board requires further clarification on any point;

v. To do all other acts incidental to the powers aforesaid, as may be required in order to further the objectives of these By-laws.

vi. The BOD may recommend to the Vice-Chancellor any one or more of the following punishments to any student for any breach of these By-laws or for any offense punishable under the provisions of these By-laws.

i. A written warning or a severe reprimand.

ii. Suspension from the University for a Specific Period; when a student has already been suspended pending disciplinary proceedings, such period may be considered to be part of the punishment.

iii. Withdrawal of residential facilities and accommodation.

iv. Withdrawal, cancellation or suspension of any benefits, assistance or award under the Mahapola Scholarship Scheme, any Bursary Scheme or endowed Scholarship Scheme.

v. Disqualification from sitting any University Examination for a specific Period.

vi. Suspension of the release of the results of any University Examination for a specific period.

vii. Withhold/withdraw conferment of the degree, diploma, certificate or other academic distinctions;

viii. Expulsion from the University;

VICE- CHANCELLOR

25. Notwithstanding anything to the contrary in any of the provisions of these By- laws, the Vice-Chancellor shall take appropriate actions he deems necessary to maintain discipline at the University.

26. The Vice-Chancellor is the authority in maintaining discipline among the University students. Such authority may be exercised by the Vice-Chancellor through the (a) Board of Discipline (b) Deputy Vice-Chancellor, (c) Proctor (d) Dean (e) Warden and (f) Chief Marshal as the case may be.

27. In the event the Vice-Chancellor receives a complaint or becomes aware of a breach of discipline, he may take one or more of the following actions;

28. The Vice-Chancellor may direct the Proctor to carry out a Preliminary Inquiry on the incident and report to him/her.

29. After perusing the report of such a Preliminary Inquiry, the Vice-Chancellor may take any one of the following actions:

a. If the Vice-Chancellor is of the view that the offence committed is not of a serious nature, the matter can be directed to the Proctor for appropriate action.

b. If the Vice-Chancellor is of the view that the offence committed is of a serious nature, he may forthwith charge sheet the student/s concerned.

c. If the Vice-Chancellor is not satisfied with the explanation/s submitted by the student/s, he may appoint a Committee of Inquiry comprising 03 senior academic staff members or an Inquiring Officer approved by the Council to inquire into the incident.

30. Forward the report of the Committee of Inquiry to the BOD.
31. Upon receiving the recommendations from the BOD, the Vice- Chancellor may carry out such recommendations.

32. If the breach of discipline is of serious nature and if the Vice-Chancellor is fully satisfied that the presence of any student is detrimental to the investigation/ disciplinary proceedings to be commenced or detrimental to the smooth functioning and harmonious atmosphere of the University, the Vice- Chancellor may temporarily suspend the student/s from the University until the conclusion of the inquiry or until a final decision is reached with regard to the findings of the inquiry.

33. The Vice-Chancellor shall entertain all appeals from student/s aggrieved by the punishment imposed and shall direct them to the Appeals Board for a final recommendation.

34. The Vice-Chancellor shall communicate to the student the decision after receiving the recommendation of the Appeals Board by varying, amending, cancelling or affirming his earlier decision. Such decision made by the Vice- Chancellor in the exercise, performance and discharge of his powers, duties and functions as aforesaid shall be final and conclusive.

35. The decision of the Appeals Board once communicated by the Vice-Chancellor shall be final and conclusive.

DEPUTY VICE-CHANCELLOR

36. The Deputy Vice-Chancellor, subject to the provisions of the Universities Act, shall attend to the affairs of the students of the University.

37. In that context, the Deputy Vice-Chancellor shall assist the Vice-Chancellor to maintain discipline in the University.

38. In the absence of the Vice-Chancellor, the Deputy Vice-Chancellor shall perform the duties of the office of the Vice-Chancellor.

39. The Deputy Vice-Chancellor shall supervise the activities of the Proctor and Marshals in relation to maintenance of student discipline.

PROCTOR

40. The Vice-Chancellor may appoint a senior academic member as the Proctor of the University and he shall act on behalf of the Vice-Chancellor in matters of student discipline within the University.

Powers vested with Proctor

41. Subject to the provisions of the Universities Act and any other instruments applicable to the University, the Proctor shall be in charge of the maintenance of discipline among students of the University.

42. In discharging his/her duties, the Proctor shall act under the instructions of the Vice Chancellor and Deputy Vice-Chancellor and with the assistance of the Deputy Proctors and Marshals.

43. The Proctor shall conduct a Preliminary Inquiry into complaints of breach of discipline in the University and take appropriate action under the instructions of the Vice Chancellor.

44. Where the incident of indiscipline is of such a nature that it can be adequately dealt with by the imposition of one of the following punishments, the Proctor may act by himself/herself:

i. Suspension from the University for a period not exceeding four (4) weeks. ii. A written

warning

45. In every case in which the Proctor acts under these provisions, he shall submit a report to the Vice-Chancellor for his concurrence.

46. In the event the investigation conducted by the Proctor reveals incidents of serious indiscipline which cannot be adequately dealt with by imposing the above punishments, the Proctor shall conduct or cause to conduct a Preliminary Inquiry and submit his findings together with the recommendations to the Vice- Chancellor for appropriate action under these By-laws.

47. If the Proctor is of the view that allowing a particular student or particular students involved in a misconduct to stay within the University premises will be detrimental to the smooth functioning and harmonious atmosphere of the University or to the conduct of the inquiry, the Proctor may, with the concurrence of the Vice-Chancellor, suspend the student/s from the University premises pending Preliminary Inquiry and/ or formal inquires. In every case in which the Proctor acts under these provisions, he shall submit a report to the Vice- Chancellor.

DEAN

48. The Dean of each Faculty of the University shall have full power and authority to exercise supervisory control over the discipline of all students within the Faculty. For the purpose of exercising the powers conferred upon the Dean by the preceding
paragraphs the Dean may issue, from time to time, instructions as he deems necessary for the maintenance of discipline in such Faculty.

49. The Dean of a Faculty shall impose discipline among the students of the Faculty and may act in consultation with the Proctor and Deputy Proctor/s and Marshals of the Faculty regarding matters pertaining to students' discipline in his Faculty.

50. The Dean of a Faculty shall hold a Summary/Preliminary Inquiry into complaints of breach of discipline and take appropriate action by himself/herself where the act of indiscipline is of such a nature that it could be adequately dealt with by imposing any of the following punishments.

(a) Suspension from academic activities for a period not exceeding two weeks. (b) A

written warning

i. Copies of all written warnings/punishments should be sent to the personal file of the accused student.

ii. In every case in which a Dean acts under the above provisions, he shall submit a report to the Vice-Chancellor for his concurrence with a copy to the Proctor.

51. In the event the investigation conducted by the Dean reveals incidents of serious indiscipline which cannot be adequately dealt with by imposing the above punishments, the Dean shall forward the matter to the Proctor for appropriate action under these By-laws.

52. If the Dean is of the view that allowing a particular student or students involved in undisciplined behavior to stay within the University premises will be detrimental to the smooth functioning and harmonious atmosphere of the Faculty or to the University, the Dean shall report the same to the Vice-Chancellor for appropriate action.

DEPUTY PROCTOR

53.The Vice-Chancellor may, on the recommendation of the Dean appoint a senior member of the academic staff of a Faculty as the Deputy Proctor. In circumstances where a single Deputy Proctor is not sufficient to maintain discipline in a Faculty, the Vice-Chancellor in consultation

with the Dean and the Proctor may appoint an additional Deputy Proctor or Proctors to the same Faculty. The Deputy Proctor/s shall hold the office for a period of one year, and the appointment may be renewed by the Vice-Chancellor.

54. The Deputy Proctor shall assist the Proctor and the Dean of the relevant Faculty in the maintenance of discipline among the students of the Faculty. Deputy Proctor shall report to the Proctor and Dean regarding such indiscipline. He or she shall inquire into complaints of a breach of discipline within the Faculty and report to the Dean of the Faculty and/or Proctor for appropriate action.

55. The Deputy Proctor shall investigate complaints of breach of discipline in the respective Faculty and take appropriate action with the assistance of the Marshals.

56. Where the incident of indiscipline is of such a nature that it can be adequately dealt with by the imposition of a punishment, the Deputy Proctor shall recommend to the Dean the following punishments:

(a) Suspension from academic activities for a period not exceeding two weeks. (b) A written warning

57. In every case in which a Deputy Proctor acts under the above provisions, he or she shall submit a report to the Dean with a copy to the Proctor.

58. In the event the investigation conducted by the Deputy Proctor reveals incidents of serious indiscipline which cannot be adequately dealt with by imposing the above punishments by the Dean, the Deputy Proctor, in consultation with the Dean of the Faculty shall forward the matter to the Proctor for appropriate action under these By-laws.

WARDEN

59. The Warden is responsible for maintaining the discipline of all students within the Hall of Residence within its perimeter with the assistance of the Sub-wardens of the respective Hall of Residence and the Marshals.

60. It would be the duty of a Warden of Halls of Residence to

i. maintain discipline among student/s of the Hall of Residence and act in consultation with the Vice-Chancellor, Deputy Vice-Chancellor, Proctor, Deputy Proctor and Marshals regarding matters pertaining to student discipline in the Halls of Residence;

ii. Conduct a Preliminary Inquiry into complaints of breach of discipline and take appropriate action by himself/herself where the act of indiscipline is not of a serious nature and may impose any of the following punishments.

i. Suspension from Halls of Residence for a period not exceeding two weeks.

ii. A written warning.

iii. submit a report to the Vice-Chancellor for his or her concurrence with a copy to the Proctor in every case in which a Warden acts under the above provision;

iv. A copy of such letter imposing the punishment should be sent to the Dean/s of the relevant Faculty of the punished student/s to be recorded in the personal file of the student/s.

61. In the event the investigation conducted by the Warden reveals incidents of serious indiscipline which cannot be adequately dealt with by imposing the above punishments, the Warden shall forward the matter to the Proctor to conduct or cause to conduct a Preliminary Inquiry and

submit his or her findings together with the recommendations to the Vice-Chancellor for appropriate action under these By- laws.

62. If the Warden is of the view that allowing a particular student or students involved in undisciplined behavior to stay within the University premises will be detrimental to the smooth functioning and harmonious atmosphere of the Hall of Residence or the University, the Warden shall report the same to the Vice-Chancellor for appropriate action.

MARSHAL

63. A Marshal of the University shall have supervisory control over the discipline of all students within the University. For the purpose of maintaining the smooth functioning and harmonious environment of the University, the Marshal shall work in consultation with the Prescribed Authority and recommend preventive measures to the Administration.

64. The Marshal shall be responsible to:

i. Assist the University Administration in the maintenance of discipline among the students of the University.

ii. Report to the Proctor regarding such acts of indiscipline.

iii. Report to the prescribed authority, if an offence against the by- laws or the Laws of the country has been committed by any student.

iv. Investigate into complaints of a breach of discipline within the University and report to the Proctor for appropriate action.

v. Assist the police in concurrence with the prescribed authority in maintaining public order within the University.

vi. Take appropriate measures to prevent the occurrence of any student unrest, ragging, etc., that will disrupt University activities.

vii. Be vigilant and monitor all student activities within and also outside the University premises where necessary.

viii. Act as liaison officer between the authorities and the students in instances of student unrest.

ix. In situations where a breach of discipline is noted, assist the Dean, Proctor, Warden and the Deputy Proctor to conduct inquiries.

x. In instances where a major offence is noted, prepare report in liaison with the Proctor, Deputy Proctor and/or Warden and report to the Vice-Chancellor for further action.

Powers vested with the Marshal

65. The Marshal shall have the following powers in order to carry out his duties:

i. Request from students for evidence of identity such as student record book and identity card, if and when necessary;

ii. Request for written statements and/or record statements from any person, including the students and the staff of the University, for investigation purposes, for offences against these By-laws or the Laws of the country within the University premises against the property of the University or a person;

iii. Take into custody any student who fails to abide by the instructions, and to deliver him/her to the prescribed authority forthwith;

iv. Any other power he/she may deem necessary to exercise in maintaining student discipline, harmony and interpersonal relations among students and between students and authorities. Any such action taken shall be reported to the prescribed authority forthwith.

PART IV - Inquiry Process & Appeals

PRELIMINARY INVESTIGATION

66. A Preliminary Investigation shall be held by the Proctor under paragraph 43 and 46, by the Dean under paragraph 50, and by the Warden under paragraph 60(ii) under these By-laws.

67. In the process of a Preliminary Investigation, statements should be recorded from student/s involved and witnesses, in a language preferred by the accused student/s or the witnesses and collect other evidence.

68. The Preliminary Investigation should be completed within 2 weeks, wherever possible.

69. Report of the Preliminary Investigation shall be submitted to the Vice-Chancellor.

FORMAL INQUIRY

70. If the Preliminary Investigation reveals incidents of serious indiscipline warranting a Formal Inquiry, the suspect student/s will be issued with a charge sheet or charge sheets giving them a time period stipulated in the charge sheet to submit their explanations as to why they should not be punished under paragraph 24 (vi) of these By-Laws.

71. If the Vice-Chancellor is not satisfied with the explanations submitted by the student/s, a Committee of Inquiry shall be appointed by the Vice-Chancellor under paragraph 29(c) under these by laws to conduct a formal Inquiry.

72. The Committee of Inquiry will commence the formal inquiry within one month from such appointment and complete the Inquiry within 6 months, wherever possible. The report of the inquiry shall be submitted to the Vice-Chancellor.

(1) (The Committee of Inquiry shall have the power to summon any student/s of the University to attend any inquiry or to give evidence thereat and to direct any student to make a written statement concerning any matter pertaining to his or her conduct/behavior or to the conduct/behavior of any other student. The Committee of Inquiry may request any member of the staff of the University to give evidence at an inquiry.

(2) Such Committee of inquiry shall conduct the inquiries in accordance with the rules of natural justice as far as possible.

(3) An accused student shall attend in person and is allowed to be accompanied by a representative of the Peradeniya Students' Union or the respective Faculty Students' Union at the Formal Inquiry.

APPEALS

73. Any student who is aggrieved by the punishment shall have the right to present an appeal to the Vice-Chancellor within a period of 1 month from the date of communication to him/her of such punishment, exclusive of the day of that date itself and of the day when the appeal is presented and of Sundays and public holidays.

74. The Vice-Chancellor shall refer an appeal to an Appeals Board appointed by him/her to review the punishments given by him/her on the recommendation of the Board of Discipline.

75. Such Appeals Board as appointed by the Vice-Chancellor shall consist of three persons of Legal/Academic eminence.

76. The Appeals Board, using the information already available from the Formal Inquiry

will then decide on the appeal. The Appeals Board shall have the power to review the decision of the Board of Discipline regarding the punishment imposed and may either affirm, vary or set aside the decision regarding the punishment.

1. The decision of the Appeals Board, once communicated by the Vice-Chancellor, shall be final.

PART V – INTERPRETATION

2. If there is any discrepancy and/or difficulty in understanding the By-laws or inconsistency, the Vice-Chancellor's interpretations shall be final and conclusive. For the purpose of these By-laws;

    1. "A registered student" - any student who has been duly admitted and registered in the University including any Postgraduate or affiliated Institute, for any academic year or any student who is duly admitted and registered from time to time in respect of any academic year or other period of study.
    2. "Academic year" - the academic year as decided by the Senate from time to time.
    3. "Any other Instrument": any Order, Ordinance, Statute, By-law, Regulation Policy, Circular or Rule applicable to the University.
    4. "University Property"- buildings, libraries, lecture halls, furniture, equipment and all other movable, immovable, tangible and intangible assets of the University.
    5. Prescribed authority: Vice-Chancellor/ Deputy Vice-Chancellor/ Dean/ Proctor.

Note:
Words importing the masculine gender shall include females, words in the singular shall include the plurals and words in the plural shall include the singular.

39.2 Prohibition of Ragging and other forms of Violence

The Act to Eliminate Ragging and Other Forms of Violence, and Cruel, Inhuman and Degrading Treatment, from Educational Institutions (Prohibition of Ragging and other forms of Violence in Educational Institutions Act, No. 20 of 1998)

Be it enacted by the Parliament of the Democratic, Socialist Republic of Sri Lanka as follows:

Short Title

1. This Act may be cited as the Prohibition of Ragging and Other Forms of Violence in Educational Institutions Act, No. 20 of 1998.

Ragging

2. (1) Any person who commits, or participates in, Ragging, within or outside an educational institution, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to rigorous imprisonment for a term not exceeding two years and may also be ordered to pay compensation of an amount determined by court, to the person in respect of whom the offence was committed for the injuries caused to such person.

Ragging

(2) A person who, whilst committing ragging, causes sexual harassment or grievous hurt to any student or a member of the staff of an educational institution shall be guilty of an offence under this Act and shall on conviction after summary trial before a

Magistrate be liable to imprisonment for a term not exceeding ten years and may also be ordered to pay compensation of an amount determined by court, to the person in respect of whom the offence was committed for the injuries caused to such person.

Criminal Intimidation

3. Any person who, within or outside an educational institution, threatens, verbally or in writing, to cause injury to the person, reputation or property of any student or a member of the staff, of an educational institution (in this section referred to as "the victim") or to the person, reputation or property of some other person in whom the victim is interested, with the intention of causing fear in the victim or of compelling the victim to do any act which the victim is not legally required to do, or to omit to do any act which the victim is entitled to do, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to rigorous imprisonment for a term not exceeding five years.

Hostage Taking

4. Any person who does any act, by which the personal liberty and the freedom of movement of any student or a member of the staff of an educational institution or other person within such educational institution or any premises under the management and control of such educational institution, is restrained without lawful justification and for the purpose of forcing such student, member of the staff or person to take a particular course of action, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate, be liable to rigorous imprisonment for a term not exceeding seven years.

Wrongful Restraint

5. Any person who unlawfully obstructs any student or a member of the staff of an educational institution, in such a manner as to prevent such student or member of the staff from proceeding in any direction in which such student or member of the staff has a right to proceed, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to rigorous imprisonment for a term not exceeding seven years.

Unlawful Confinement

6. Any person who unlawfully restrains any student or a member of the staff of an educational institution in such a manner as to prevent such student or member of the staff from proceeding beyond certain circumscribing limits, shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to imprisonment for a term not exceeding seven years.

Forcible Occupation and Damage to Property of an Educational Institution

7. (1) Any person who, without lawful excuse, occupies, by force, any premises of, or under the management or control of, an educational institution shall be guilty of an offence under this Act, and shall on conviction after summary trial before a Magistrate be liable to imprisonment for a term not exceeding ten years or to a fine not exceeding ten thousand rupees or to both such imprisonment and fine.

(2) Any person who causes mischief in respect of any property of, or under the management or control of, an educational institution shall be guilty of an offence under this Act and shall on conviction after summary trial before a Magistrate be liable to imprisonment for a term not exceeding twenty years and a fine of five thousand rupees or three times the amount of the loss or damage caused to such property, whichever amount is higher.

Orders of Expulsion or Dismissal

8. Where a person is convicted of an offence under this Act, the court may, having regard to the gravity of the offence-

(a) in any case where the person convicted is a student of an educational institution, order that such person be expelled from such institution;

(b) in any case where the person convicted is a member of the staff of an educational institution, order that such person be dismissed from such educational institution.

Bail

9. (I) A person suspected or accused of committing an offence under subsection (2) of section 2 or section 4 of this Act shall not be released on bail except by the judge of a High Court established by Article 154P of the Constitution. In exercising his discretion to grant bail such Judge shall have regard to the provisions of section 14 of the Bail Act No. 30 of 1997.

(2) Where a person is convicted of an offence under subsection (2) of section 2 or section 4 of this Act, and an appeal is preferred against such conviction, the Court convicting such person may, taking into consideration the gravity of the offence and the antecedents of the person convicted, either release or refuse to release, such person on bail.

Certain provisions of the Code of Criminal Procedure Act not to apply to persons convicted or found guilty of an offence under this Act

10. Notwithstanding anything in the Code of Criminal Procedure Act, No, 15 of 1979-

(a) the provisions of section 303 of that Act shall not apply in the case of any person who is convicted,

(b) the provisions of section 306 of that Act shall not apply in the case of any person who pleads or is found guilty, by or before any court of any offence under subsection (2) of section 2 or section 4 of this Act.

Offences under this Act deemed to be cognizable offences

11. All offences under this Act shall be deemed to be cognizable offences for the purposes of the application of the provisions of the Code of Criminal Procedure Act, No.15 of 1979, notwithstanding anything contained in the First Schedule to that Act.

Certificate

12. Where in any prosecution for an offence under this Act, a question arises whether any person is a student or a member of the staff of an educational institution or whether any premises or property is the property of, or is under the management and control of, an educational institution a certificate purporting to be under the hand of the head or other officer of such educational institution to the effect that the person named therein is a student or a member of the staff of such educational institution, or that the premises or property specified therein is the property of, or is under the management and control of, such educational institution, shall be admissible in evidence without proof of signature and shall be prima facie evidence of the facts stated therein.

Admissibility of Statement in Evidence.

13. (1) If in the course of a trial for an offence under this Act, any witness shall on any material point contradict either expressly or by necessary implication a statement previously given by him in the course of any investigation into such offence, it shall be lawful for the

Magistrate if, after due inquiry into the circumstances in which the statement was made, he considers it safe and just –

(a) to act upon the statement given by the witness in the course of the investigation, if such statement is corroborated in material particulars by evidence from an independent source; and

(b) to have such witness at the conclusion of such trial, tried before such court upon a charge for intentionally giving false evidence in a stage of a judicial proceeding.

(2) At any trial under paragraph (b) of subsection (I) it shall be sufficient to prove that the accused made the contradictory statements alleged in the charge and it shall not be necessary to prove which of such statements is false.

Provisions of this Act to be in addition to and not in derogation of the provisions of the Penal Code and C.

14. The provisions of this Act shall be in addition to, and not in derogation of, the provisions of the Penal Code, the Convention against Torture and Other Cruel, Inhuman or Degrading Treatment or Punishment Act, No.22 of 1994 or any other law.

Priority for Trials and appeals under this Act.

15. Every Court shall give priority to the trial of any person charged with any offence under this Act and to the hearing of any appeal from the conviction of any person for any such offence and any sentence imposed on such conviction.

Sinhala text to prevail in case of inconsistency.

16.In the event of any inconsistency between the Sinhala and Tamil texts of this Act, the Sinhala text shall prevail.

Interpretation

17. In this Act unless the context otherwise requires –

"criminal force", "fear", "force", "grievous hurt", "hurt" and "mischief" shall have the respective meanings assigned to them in the Penal Code; "educational institution" means –

(a) a Higher Educational Institution;

(b) any other Institution recognized under Chapter IV of the Universities Act, No. 16 of 1978;

(c) The Buddhist and Pali University established by the Buddhist and Pali University of Sri Lanka Act, No.74 of 1981;

(d) The Buddha Sravaka Bhikku University, established by the Buddha Sravaka Bhikku University Act. No. 26 of 1996:

(e) any Institute registered under section 14 of the Tertiary and Vocational Education Act, No. 20 of 1990;

(f) any Advanced Technical Institute established under the Sri Lanka Institute of Technical Education Act, No. 29 of 1995;

(g) a Pirivena registered under the Pirivena Education Act, No. 64 of 1979 and receiving grants from State Funds and includes a Pirivena Training Institute established under that Act;

(h) the Sri Lanka Law College;

(I) the National Institute of Education established by the National Institute of Education Act, No. 28 of 1985;

(j) a College of Education established by the College of Education Act No. 30 of 1986, or

a Government Training College;

(k) a Government School or an assisted school or an unaided school, within the meaning of the Education Ordinance (Chapter 185);

and includes any other institution established for the purpose of providing education, instruction or training;

"'head of an educational institution", means the Vice-Chancellor, Mahopadyaya, Director, President, Principal or any other person howsoever designated charged with the administration and management of the affairs of such educational institution:

"Higher Educational Institution" has the meaning assigned to it in the Universities Act. No. 16 of 1978;

"Ragging" means any act which causes or is likely to cause physical or psychological injury or mental pain or fear to a student or a member of the staff of an educational institution;

"Student" means a student of an educational institution;

"Sexual harassment" means the use of criminal force, words or actions to cause sexual annoyance or harassment to a student or a member of the staff, of an educational institution;

39.3 University Students Union and Faculty Students Union

PART I

A By-Law made by the Council of the University of Peradeniya under Section 135 read with Section 112(3) of the Universities Act No.16 of 1978 as amended by Acts No.7 of 1985 and No.26 of 1988.

1. This By-law shall be cited as the University Students Union By-law No.1 of 2003 and shall come into operation on 01st July 2003. This By-law supersedes any other By law or Regulation that may have been issued on the subject of election to students unions earlier.
2. Nothing in this By-law shall be construed in a manner to detract from the power, duties and functions conferred on or imposed upon the Principal Executive officer by the Universities Act, No. 16 of 1978 (as amended) hereinafter referred to as the Act, or by any other Instrument.
3. (i) Upon the coming into operation of this By-law there shall be established a Peradeniya University Students Union and Faculty Students Unions as per the terms provided for in sub-paragraph 3(ii) and 3(iii) of this By-law.

   (ii) The Peradeniya University Students Union shall derive its authority for its composition, duties and functions as provided for in Section 1(1), 1(2), Section 2 and Section 3 in the schedule to the Universities (Amendment) Act No. 26 of 1988.

   (iii) There shall be a University of Peradeniya Faculty Students Union for each Faculty of the University of Peradeniya, which Unions will derive their authority for their composition, duties and functions as provided for in Section 6(1), 6(2), 6(3) and Section 7 in the schedule to the Universities (Amendment) Act No. 26 of 1988.

PART II

4. Without prejudice to the generality of the powers, duties and functions conferred upon or imposed on the Governing Authority of the University of Peradeniya by the ''Act'', or any other Instrument, the Council shall be responsible for the administration and implementation of this By-law.

5. No student of a Faculty shall be eligible to vote at an election

(a) unless he has been duly registered and admitted as a full-time undergraduate student and is following a course of study in the relevant Faculty in respect of the academic year in which the election is held;

(b) if he is under suspension from Faculty and/or University;

(c) if he fails to establish his identity at the time of voting.

6. For the purpose of this By-law, ''Registered Student'' means any undergraduate Student who has already been registered and admitted to a course of study at the University for any academic year or any student who is duly admitted and registered from time to time to follow a course of study in respect of any academic year, or other period of study.

7. (i) Within seven days of the commencement of each academic year the Registrar of the University ` shall publish within the University a notice containing;

(a) the name of each Faculty Students Union;

(b) the title of the office-bearers and the number of other members to be elected to each such Faculty Students Union;

(c) the names and registration numbers of students who are eligible to vote at an election of office bearers and other members to each such Faculty Student Union.

8. The Principal Executive Officer of the University shall nominate in respect of the election of office bearers and other members to each Faculty Students Union, the name and designation of a person to conduct such election (hereinafter referred to as the ''Election Officer''). The Election Officer may co-opt any person or persons to assist him in this task.

9. (i) The Principal Executive Officer of the University shall fix in respect of each Faculty Students Union, a date, closing time and venue for the receipt of Nominations by the Election Officer for the election of office bearers and other members for that Faculty Students Union. Such date shall be a date after the expiry of eight days but prior to the expiry of fourteen days from the date of publication of the Notice under section 7(1) of this By-law.

(ii) The Registrar of the University shall publish within the University the date, time and venue fixed for the receipt of nominations in respect of each Faculty Students' Union.

10. (I) Every registered undergraduate student who is eligible to vote at an election of the Faculty Students Union will be eligible to be nominated as a candidate for election of office bearers or members of that Faculty Students Union.

Provided, however, no student shall be eligible to be nominated as a candidate for election of office bearer or member of a Faculty Students Union, if he has been found guilty of misconduct.

(ii) Proposers and seconders should be registered students of the Faculty to which they will be nominating a candidate.

(iii) No student will be eligible to be nominated for more than one post or by more than one proposer or seconder at any given election.

(iv) Nominations will be on a form given in schedule one (01) of this By-law. Nominations should be accompanied by name and student registration number of the proposer and seconder, and should be signed by the nominee in token of his agreement to stand for election.

(v) Nominations so received will be displayed by the Election Officer on the Faculty notice board on the day following receipt of nominations.

(vi) Any objections to persons nominated should be submitted to the Election Officer by any registered student of that Faculty prior to the expiration of one day after the displaying of

nominations, giving valid reasons for such objections. The decision whether a nomination is valid or not will be made by the Principal Executive Officer and such decision shall be final.

11. Where no nominations have been received, the Principal Executive Officer shall fix in respect of such Faculty Students Union, a fresh date, time and venue for the receipt of nominations.

12. (i) The Principal Executive Officer of the University shall fix in respect of each Faculty Students Union a date for the election of office bearers and other members to such Faculty Students Union. Such date shall be a date falling within fourteen days of the date on which nominations were received in respect of that Faculty Students Union.

(ii) The Registrar of the University shall publish within the University, the date, time and venue fixed for the election of office bearers and other members in respect of each Faculty Students Union.

(iii) The Election Officer shall conduct the election by secret ballot. For an election to be valid 50% or more of the eligible voters should cast their votes.

13. Each candidate contesting the election of a Faculty Students Union may appoint two students as polling agents to represent him at the venue of election during the taking of the poll and the count. Notice in writing of every such appointment stating the names and registration numbers of the students appointed shall be given by the candidate to the Election Officer before the opening of the poll.
Provided, however, that only one polling agent of a candidate can be present at the venue of election at any time during the taking of the poll, or the count.

14 (i) Every registered student who is eligible to vote at an election of a Faculty students Union shall be entitled to vote for a candidate for each office and for such number of candidates for membership as is equivalent to the number of members to be elected to such Faculty Students Union as specified in the schedule to the Amendment Act. No.26 of 1988.

(ii) Where the number of votes cast at an election is less than 50% of the eligible votes, the Election Officer shall declare such election as invalid.

(iii) Where only one nomination has been received and accepted in respect of such post, the Election Officer shall declare elected the candidate so nominated to the respective post.

(iv) Where 02 or more nomination papers have been received in respect of each post the Election Officer shall declare elected the candidate who polls the highest number of votes.

(v) The Election Officer shall declare elected as members the candidates who poll the most number of votes in descending order until the number of candidates declared elected as members shall be equivalent to the number for membership for each Faculty.

(vi) Where equality is found to exist between the votes polled by two or more candidates for election of an officer bearer or member the determination of the office bearer/member to be elected shall be made by a draw of lots.

(vii) At the conclusion of the election of office bearers, the Faculty Students Union shall nominate, with the concurrence of the Dean of the Faculty, a senior teacher of the Faculty to be appointed by the Principal Executive Officer of the University as the Senior Treasurer of the Faculty Students Union.

15. (i) Each office bearer or member of a Faculty Students Union shall hold office from the date of his election up to the end of the academic year in which he was elected.

Provided, however, that the Council shall have the discretionary power to Extend the period of office of such office bearer or member.

(ii) No student shall be eligible for re-election to the same office.

(iii) If any office bearer or member:

(a) ceases to be a student; or

(b) resigns office by writing under his hand addressed to the Senior Treasure, or

(c) is found guilty of misconduct, his office shall be deemed to be vacant.

(iv) Where the post of an office bearer/member of a Faculty Students Union falls vacant, the Election Officer shall, as determined by the Principal Executive Office in accordance with the earlier provisions of this By-law, initiate Action for the holding of an election to elect a person to fill such vacancy. The person so elected shall hold office for the unexpired portion of the term of Office of his predecessor.

16. (i) The duties and functions of the President of the Faculty Students Union shall be:

(a) to preside at all meetings of the Faculty Students Union;

(b) to carry out the decisions of the Faculty Students Union; and

(c) to call meetings of the Faculty Students Union.

(ii) The duties and functions of the Vice-President of the Faculty Students Union shall be:

(a) to preside at any meeting of the Faculty Students Union in the absence of the President;

(b) to assist the President in the discharge of his duties; and

(c) to carry out any other duty or function assigned to him by the Faculty Students' Union.

(iii) The duties and functions of the Secretary of the Faculty Students Union shall be:

(a) to keep records of all proceedings of the Faculty Students Union; (b) to summon meetings of the Faculty Students Union on the Instructions of the President or upon the receipt by the Secretary of a written request, from not less than one third of the total membership of the Faculty Students Union;

(c) to ensure that a copy of the minutes of the proceedings are forwarded to the Dean of the Faculty; and

(d) to ensure that minutes of the proceedings are available for inspection by any student of the Faculty.

(iv) The duties and functions of the Junior Treasurer of the Faculty Students Union shall be:

(a) to have custody of the funds of the Faculty Students Union;

(b) To ensure that all income and expenditure are properly recorded for in the books kept for this purpose, subject to any rules pertaining to maintenance of such accounts.

(c) To inform the Senior Treasurer within one week of the receipt of any money by the Faculty Students Union, of such receipt;

(d) To make payments out of the funds of the Faculty Students Union with the approval of the Senior Treasurer;

(e) To prepare a budget for the academic year after consultation with the office bearers of the Faculty Students Union within one month from the date of election of its office bearers;

(f) When necessary, to prepare supplementary estimates;

(g) To submit to the Faculty Students Union a report on its current and projected financial position as at the last day of each term within one month of the end of that term; and

(h) to submit to the Auditor through the Senior Treasurer, a statement of income and expenditure and the balance sheet of the Faculty Students Union for the academic year within two weeks of the end of the academic year in which the Faculty Students Union was elected.

PART III

17. (i) The Principal Executive Officer Shall arrange a date for the holding of the first meeting of the University Students Union wherein all the members of the Faculty Students Unions shall elect the office bearers of the University Students Union. Such date shall be a date falling within two weeks of the conclusion of the election of office bearers and other members to all the Faculty Students Unions in terms of the relevant Sections of Part 11 of this By-law.

(ii) For the purpose of this meeting the Principal Executive Officer shall nominate a senior member of the University as the Returning Officer to conduct the election of office-bearers by secret ballot. He shall preside at the meeting and take all necessary action for the smooth conduct of the election.

(iii) At the conclusion of the election of office bearers, the University Students Union shall nominate a senior teacher to be appointed by the Principal Executive Officer of the University as the Senior Treasurer of the University Students Union.

(iv) The Returning Officer shall submit a report on the above election to the Principal Executive Officer.

18. (i) Each office-bearer of the University Students Union shall hold office from the date of his election up to the end of the academic year in which he was elected. Provided, however, that the council shall have the discretionary power to extend the period of office of such office bearer or member.

(ii) No member shall be eligible for re-election to the same office. (iii) If any office-bearer

(a) ceases to be a student; or

(b) resigns office by writing under his hand addressed to the SeniorTreasurer; or

(c) is found guilty of misconduct his office shall be deemed to be vacant. (iv) Where an office of the University Students Union falls vacant, the Returning Officer shall, as determined by the Principal Executive Officer of the University, initiate action for the holding of an election to elect an office bearer. The Person so elected shall hold office for the unexpired portion of the term of office of his predecessor.

19. (i) The duties and functions of the President of the University Students Union shall be

(a) to preside at all meetings of the University Students Union;

(b) to carry out the decisions of the University Students Union; and

(c) to call meetings of the University Students Union.

(ii) The duties and functions of the Vice-President of the University Students union shall be

(a) to preside at any meeting of the University Students Union in the absence of the President;

(b) to assist the President in the discharge of his duties; and

(c) to carry out any other duty or function assigned to him by the University Students Union.

(iii) The duties and functions of the Secretary of the University Students Union shall be

(a) to keep records of all proceedings of the University Students Union:

(b) to summon meeting of the University Students Union on the instructions of the President or upon the receipt by the Secretary of a written request, from not less than one third of the total membership of the University Students Union.

(c) To ensure that a copy of the minutes of the proceedings are forwarded to the Principal Executive Officer of the University; and

(d) To ensure that the minutes of the proceedings are available for inspection by

any student of the University.

(iv) The duties and functions of the Junior Treasurer of the University Students Union shall be

(a) to ensure that all income and expenditure is properly recorded and accounted for in the books kept for this purpose, subject to any rules pertaining to maintenance of such accounts;

(b) to inform the Senior Treasurer within one week of the receipt of any money by the Union, of such receipt;

(c) to make payments out of the funds of the Union with the approval of the Senior Treasurer;

(d) to prepare a budget for the academic year and submit it to the Union within one month from the date of election its office-bearers; (for this purpose he shall consult the office-bearers and any standing committee of the union, if any)

(e) where necessary, to prepare supplementary estimates;

(f) to submit to the Auditor through the Senior Treasurer a statement of income and expenditure and the balance sheet of the Union for the academic year within two weeks of the end of the academic year in which the Union was elected.

20. Any question regarding the interpretation of this By-law shall be referred to the Council whose decision thereon shall be final.

21. In this By-law

- "Academic year" means the period commencing on 1st day of October of the year and ending on 30th day of September of the following year';
- "Act'' means the Universities Act No. 16 of 1978 (as amended);
- "Auditor'' means any auditor appointed by the Principal
- Executive Officer to audit the accounts of the University Students Union or any Faculty Students Unions;
- "Council'' means the Council of the University of Peradeniya;
- "Dean'' means the Dean of each Faculty or any other person acting for the Dean for the time being;
- "Faculty'' means any Faculty established by the University of Peradeniya under the Act except the Faculty of Graduate Studies;
- "Principal Executive Officer'' means the Vice-Chancellor or any other person performing the duties of office of the Vice-Chancellor for the time being;
- "Registrar'' means the Registrar of the University of Peradeniya or any other person acting for the Registrar for the time being;
- "Senate'' means the Senate of the University of Peradeniya;
- The word 'Post' means the position of office bearer or member of a union.

Note: Rules, regulations and other particulars pertaining to the undergraduate programme have been extracted from the respective original documents approved by the Senate of the University of Peradeniya. In case of any discrepancy, the original documents shall prevail over the information presented in this handbook.