

The University of

# MORATUWA



University of Moratuwa



# GENERAL CATALOG

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The External Affairs, Publicity and International Student Promotion Division has taken great care in compiling the information presented in this catalogue while the academic departments with the coordination of deans of the respective faculties provided information pertaining to all the programmes listed herein. Thus the accuracy of the information pertaining to programmes presented in this catalogue is the responsibility of the respective departments and the Faculties of Architecture, Engineering, Information Technology, Business and Graduate Studies.

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# MESSAGE FROM THE VICE-CHANCELLOR



Since its inception, the University of Moratuwa has always been at the forefront of socio-economic development for many decades. Nurturing the next generation of thought-leaders, idea-makers, and solution-providers, the University of Moratuwa is reigning as the premier technological university in the tertiary education sector in Sri Lanka that knows the true pulse of the country.

In the new era of socio-economic renaissance, Sri Lanka vehemently demands perceptive strategic thinking, visionary leadership, and creative ideas to encounter complex challenges successfully. Calibrating the finest talents of Sri Lanka through a revitalized stream of expert insights, the University of Moratuwa anticipates a meaningful change in the future. Integrating creative thinking and productivity through state-of-art innovations, the University of Moratuwa is geared to generate a myriad of opportunities for graduates to shine brighter in their respective fields.

Upholding the core values, the University of Moratuwa envisions itself to be the “most globally recognized knowledge enterprise in South Asia”. Building human capacities through social intelligence and inclusiveness, the University of Moratuwa is structured to provide pragmatic solutions to the contemporary needs of Sri Lanka. This affirms limitless opportunities for our future generations.

This catalogue presents an overview of the faculties, departments, facilities, and academic programmes available at the University of Moratuwa. The readers are kindly requested to access the university website for further details.

A handwritten signature in black ink, which appears to read 'N.D. Gunawardena'.

Professor N.D. Gunawardena  
Vice-Chancellor

# MESSAGE FROM THE DEPUTY VICE-CHANCELLOR



The University of Moratuwa has been recognized as the premier technological university of Sri Lanka in the light of its outstanding contributions in various domain areas of higher education. It has six faculties; Architecture, Engineering, Business, Information technology, Medicine and Graduate studies. The university equips the students with technical and professional knowledge and provides an environment that encourages research, innovation, and critical thinking, and prepares them to face the challenges of life ahead. In this framework, the focus of the university is to impart holistic education to its students with a strong commitment towards enhancing their employability. The university has also committed to nurture young minds and to convert them to successful entrepreneurs.

Significant actions have been taken to improve the quality in the process of delivering its academic programs through internal quality assurance initiatives. This has paved the way to benchmark all academic programs and the delivery process. During the last four decades, the university has acquired well-accomplished, skilled and contented academic staff and they have made tremendous contributions to transform our students into industry-ready professionals. Furthermore, the university has developed new modules and courses in line with the current national and global needs and conducted high-impact research with international recognition. The University of Moratuwa catalogue disseminates valuable information regarding the academic programs conducted by different faculties and the facilities provided by the university.

A handwritten signature in black ink, appearing to be 'D.P. Chandrasekara'.

Dr. D.P. Chandrasekara  
Deputy Vice-Chancellor

## **UNIVERSITY OF MORATUWA**

### VISION AND MISSION OF THE UNIVERSITY

#### **OUR VISION**

To be the most globally recognized Knowledge Enterprise in South Asia

#### **OUR MISSION**

To be the leading Knowledge Enterprise for technological and related disciplines in South Asia  
by:

Providing transformative education in technological and related disciplines which nurtures the  
inquiring mind and develops knowledge and skills for facing global challenges;

Carrying out nationally relevant and high-impact research to expand the boundaries of knowledge  
and to enhance the national technological capabilities;

Providing expert services to the State, Industry and the Society as an Internationally positioned  
Sri Lankan University; and

Contributing to sustainable, scientific, technological, social and economic development of Sri Lanka.



# THE UNIVERSITY OF MORATUWA

The University of Moratuwa, Sri Lanka is an independent state university located at Katubedda, Moratuwa overlooking the picturesque Bolgoda Lake. It was established as the University of Moratuwa (UoM) on December 22, 1978 under the Universities Act No. 16 of 1978 and operates under the general direction and guidance of the University Grants Commission (UGC), Sri Lanka. However, its origin can be traced back to the Government Technical School (GTS) which was established in Maradana, Colombo 10 in 1893.

The GTS, was renamed as Ceylon Technical College (CTC) in 1906 and in January 1933, The CTC was authorized to prepare candidates for the external degrees in engineering of the University of London and for the Associate Membership Examinations of the three major professional institutions (Civil, Electrical and Mechanical) in England. A Junior Technical Officers (JTO) course was also inaugurated at the CTC in the late 1940's.

Technical education at Katubedda commenced in 1960 when the technician courses at the CTC were transferred to a new establishment called the Institute of Practical Technology (IPT) constructed at the current premises of the university. It was a gift from the people of Canada and its primary aim was to provide full-time JTO courses for technicians of sub-professional grades. The Government of Ceylon (GoC) in 1961 realized that an effective system of specialized education and training, capable of supplying the country with necessary scientific and technical personnel, was a pre-requisite to achieve and sustain rapid development. The GoC, therefore, appointed a Commission of Inquiry on Technical Education. As engineering education at professional level was provided at that time exclusively by the Faculty of Engineering of the University of Ceylon, the Commission in its report of 1963 recommended the expansion of facilities at Katubedda to cater to professional engineering education.

The Ceylon College of Technology (CCT) was thus established at Katubedda in 1966 which offered practically oriented engineering diploma (Diploma in Technology, abbreviated to Dip. Tech.) equivalent to a degree. It was, developed and offered with technical assistance from UNESCO. The CCT commenced its diploma course with specializations in civil engineering, electrical engineering and mechanical engineering, initially utilizing the physical facilities available at the IPT. The IPT which continued to offer its full-time courses from the same premises was amalgamated with the CCT in 1967 and the JTO course was restructured and renamed as the Technician's Course. At the beginning of the third year of the Dip.Tech. programme, the electrical engineering stream was bifurcated to electrical engineering and electronic and telecommunication engineering specializations. The Department of Electronic and Telecommunication Engineering was thus formally established in 1969.

The CCT at Katubedda earned university status, as the Katubedda Campus of the then University of Ceylon on February 15, 1972. The Department of Architecture which was located in Colombo at that time was transferred to Katubedda with the formation of this new Campus. The campus at the beginning had only one faculty, i.e. Faculty of Engineering and Architecture. The first president of the campus, Dr. L.H. Sumanadasa, who steered the progress of the Institution, was in fact the principal of the IPT. With Ceylon becoming a republic on May 22, 1972, the corporate name of the university was changed to read as the University of Sri Lanka. Consequently, the Dip.Tech. programme was upgraded to a B.Sc. Engineering degree programme and all students from the first intake of Dip. Tech. became eligible for a degree. Further, the name of the Technicians Course was changed to read as the National Diploma in Technology (NDT).

With the gaining of university status, the technical education programmes conducted at the Katubedda Campus were expanded. The Department of Town & Country Planning was established within the Faculty of Engineering & Architecture in 1973. Furthermore, in 1974, with the formation of a link-programme between the University of Moratuwa and the University

of Leeds in the UK, the School of Applied Science was instituted. Under this school, the Departments of Chemical Engineering, Materials Science and Mining & Minerals Engineering were established. In 1975, a Computer Centre with a modest computer IBM 1130 computer was established within the Department of Electrical Engineering to serve the entire university. With the development in engineering education at Katubedda, the first postgraduate programme was inaugurated at the Department of Civil Engineering in 1976.



Computer Center of Department of Electrical Engineering in 1975



Developing an Electric Car in 1975

The Universities Act. No. 16 of 1978 brought in further changes to the corporate structure and composition of tertiary education. Under Section 139(1) of this Act, the Katubedda Campus of the University of Sri Lanka acquired the status of an independent university with its present corporate name 'The University of Moratuwa, Sri Lanka', with three faculties of study, namely the Faculty of Engineering, the Faculty of Architecture and the Faculty of Physical and Applied Sciences.





Demonstrating the use of a Sinclair Spectrum Color Computer to the visitors from British Council in 1988

In 1981, the Faculty of Physical and Applied Sciences was amalgamated with the Faculty of Engineering. As all the courses of study at Moratuwa were offered in the English Medium, the University established a Department of Languages and Social Studies in 1977 to assist students in enhancing their language skills and this department was renamed as the English Language Teaching Centre (ELTC) in December 1983.

In 1983, the Department of Building Economics was established at the Faculty of Architecture and the undergraduate programme leading to Bachelor of Science (Honours) Degree in Quantity Surveying commenced in 1985. In the same year, the Department of Civil Engineering was shifted to its own building complex at a site bordering the north-eastern boundary of the university, fringed by the Bolgoda Lake.

The Department of Textile Technology was set up as a fully-fledged department in 1985, with the launch of the Bachelor of Science of Engineering Degree Programme and the department was shifted to its own fully equipped building in 1988. The Department of Computer Science and Engineering was established in 1985 in the Faculty of Engineering incorporating the Computer Centre already existed, and the first batch of students was enrolled in 1986.

In the 1990s, student accommodation and hostel facilities received the attention of the administration. New hostels were constructed and extensions to existing ones were done during the period 1991 – 1995. A girls' hostel was instituted in 1991. The university library which was scattered in different buildings with difficulties to cater to the increased intake of students was relocated in 1995.

In order to keep abreast with the development of engineering education, the courses of the

With further development, the Department of Management of Technology was established in 1998 in the Faculty of Engineering in response to a national need for the discipline of technology management. In 1998, the name of the Chemical Engineering Department was changed to Department of Chemical and Process Engineering to reflect the broader area of application of the field.

With the implementation of the Science and Technology Personnel Development Project funded by the Asian Development Bank in October 1998, all departments in the Faculty of Engineering promoted Master's degree programmes by instruction and by research. The first PhD from the Faculty of Engineering was completed in May 1999. These developments in research could be considered as a major turning point for Moratuwa University to be considered as a 'fully-fledged' University.

Faculty of Engineering were converted to semester system from sessional examination system. The Engineering II stream (which consisted of a separate entry to Chemical Engineering, Materials Engineering and Mining & Mineral Engineering) was eliminated and students were instead taken to the University under the common "Engineering" category.

Arising of a perceived need to separate technical education at lower than degree level from the main university, the Institute of Technology University of Moratuwa (ITUM) was established in March 2000 to conduct the National Diploma in Technology course separately from the Faculty of Engineering, with the Ordinance for the same having been gazetted in August 2000. In July 2000, the name of the Department of Mining and Mineral Engineering was changed to the Department of Earth Resources Engineering to reflect the changes in their scope.

With the rapid expansion of Information Technology industry, the country strongly felt the need to increase the production of qualified IT professionals by the higher educational institutions. The Faculty of Information Technology, the first ever faculty of this kind in the state university system, was thus established in June 2001 as the third faculty in the UoM with its first intake of 50 students in January 2002.

In 2001, Bachelor of Design was launched by the Department of Architecture while in November 2001, the Bachelor of Design in Fashion Design and Product Development course, conducted by the Department of Textile and Clothing Technology, was launched with technical assistance from the London College of Fashion of the University for the ARTs, London, to cater for a national need to create a value added apparel industry. The name of the Department of Textile Technology was subsequently changed to Textile and Clothing Technology to emphasise the equal importance given to clothing studies at the UoM.

The Department of Management of Technology moved to its new building in December 2001. The first MBA programme of the UoM, in the specialization of Management of Technology, was inaugurated in November 2001. The next MBA in Information Technology commenced in November 2002 followed by MBA in Infrastructure in 2003 and MBA in Project Management in 2004. In April 2003, the Department of Electronic & Telecommunication Engineering moved to its new modern building from the earlier location in the Sumanadasa building.

The Department of Town & Country Planning which had been conducting only postgraduate studies in Town & Country Planning until year 2003 commenced its Honours Degree course in BSc in Town & Country Planning in 2003. The Department of Building Economics launched its second undergraduate programme in September 2005 leading to BSc in Facilities Management degree.

The latest addition to the Faculty of Engineering was the Department of Transport & Logistics Management in September 2005 as a national need with strong support from the Transport and Logistics industry. The Department now offers BSc in Transport & Logistics Management degree with an annual intake of 50 students.

In June 2009 the name of the Department of Materials Engineering was changed to Department of Materials Science and Engineering to reflect the importance of science in materials engineering.

With further increase in student intake the University physical facilities were enhanced and a new Chemical Engineering building was opened in 2009, and a new Mechanical Engineering building was opened in April 2010.

The Faculty of Information Technology launched its second undergraduate programme in June 2010 leading to BSc in Information Technology and Management degree.

In 2014, the department of Transport & Logistics Management moved to its new building while the department of Town & Country Planning moved to its building from the earlier location in the Sumanadasa Building.

With the intention of further enhancing research profile of the university, the Faculty of Graduate Studies was established in 2015.

The Faculty consists of three departments, namely Department of Decision Sciences, Department of Management of Technology and Department of Industrial Management offering Bachelor of Business Science (BBSc.) Honours degree with specializations in Business Analytics, Financial Analytics and Business Process Management.

The latest addition to the University of Moratuwa, the Faculty of Medicine was established in February 2020. This is the only Faculty of Medicine of the country with a Department of Medical Technology which deviating from traditional methods tries to apply science to develop solutions to health problems or issues. The Faculty consists of thirteen departments and awards the Bachelor of Medicine and Bachelor of Surgery (MBBS) degree.

The Institute of Technology University of Moratuwa, the only Institute affiliated to the University of Moratuwa was established in year 2000 primarily to conduct the National Diploma in Technology (NDT) programme. The ITUM was located within the premises and sharing the facilities of the main University until it was relocated in Diyagama, Homagama in year 2017.

At present the University of Moratuwa consists of six faculties as;

- Faculty of Architecture
- Faculty of Engineering
- Faculty of Information Technology
- Faculty of Business
- Faculty of Medicine
- Faculty of Graduate Studies

# FACULTY OF ARCHITECTURE

The Faculty of Architecture of the University of Moratuwa is the only faculty in the Sri Lankan state university system that provides undergraduate and postgraduate studies in the disciplines of architecture, quantity surveying, facilities management, town & country planning and integrated design.

At present there are more than 2000 undergraduate and postgraduate students in the faculty which carries out its academic activities with more than 80 academic staff members who have been qualified in the relevant fields in Sri Lanka and overseas. The Faculty of Architecture has the following four academic departments:

- Department of Architecture
- Department of Building Economics
- Department of Town and Country Planning
- Department of Integrated Design

The faculty also has the following divisions and units which provide training and academic inputs for undergraduate and postgraduate students as well as for academic staff.

- Undergraduate Studies Division
- Postgraduate Studies Division
- Faculty of Architecture Research Unit (FARU)
- Faculty of Architecture Quality Assurance Cell

The Faculty of Architecture at present offers six undergraduate degree programmes and thirteen postgraduate degree programmes besides Master of Philosophy Degree and Doctoral Degree programmes, in collaboration with Faculty of Graduate Studies.

Apart from academic programmes, the faculty is also a venue for extracurricular activities and events, such as exhibitions, guest lectures and workshops conducted by invited academics as well as industry experts. In addition, the faculty organizes study tours and assigns vacation work for the students to enhance their competencies and their continuous orientation towards education.



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# DEPARTMENT OF ARCHITECTURE

The Department of Architecture currently offers undergraduate programmes in the areas of architecture and landscape architecture. In addition, it offers postgraduate programmes in interior design, landscape architecture, urban design and conservation of historic monuments.

The Bachelor of Architecture Honours (B Arch Hons) Degree programme is a five year undergraduate degree programme accredited by the Royal Institute of British Architects (RIBA), Commonwealth Association of Architects (CAA), and the Sri Lanka Institute of Architects (SLIA). A student successfully completing the B Arch Hons Degree will be exempted from Part II examination of the Sri Lanka Institute of Architects which is the premier professional body governing the architectural profession in Sri Lanka.

The department maintains a continuous and close relationship with the architectural profession as well as the building industry in the country. Towards this end, it regularly conducts seminars and workshops and utilizes the services of professional architects and other professionals in the building industry to design studios and teach specific modules of its programmes.





# DEPARTMENT OF ARCHITECTURE

## Degree Programmes:

### Undergraduate Programmes

- Honours Degree of Bachelor of Architecture (B Arch Hons)
- Honours Degree of Bachelor of Landscape Architecture (BLA Hons)

### Postgraduate Programmes (Taught)

- PGDip/ MSc in Architectural Conservation of Monuments and Sites
- PGDip/ MSc in Interior Design
- PGDip in Urban Design/ Master of Urban Design (MUD)
- PGDip/ MSc in Landscape Design

### Postgraduate Programmes (Research)

- MSc
- MPhil
- PhD



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# DEPARTMENT OF BUILDING ECONOMICS



The Department of Building Economics is the first in the country to offer undergraduate programmes in quantity surveying and facilities management. The Quantity Surveying Degree Programme has been accredited by the Institution of Quantity Surveyors, Sri Lanka (IQSSL), Royal Institution of Chartered Surveyors (RICS), Pacific Association of Quantity Surveyors (PAQS) and Chartered Institution of Civil Engineering Surveyors (CICES). The Facilities Management Degree programme has been accredited by the Royal Institution of Chartered Surveyors (RICS).

The postgraduate programmes in project management, construction law & dispute resolution and occupational safety & health management offered by the department enable professionals in the industry to specialize in fields of their choice and enhance their career prospects. The postgraduate research studies (MSc by Research, MPhil, PhD) at the department are supported by a dedicated team of multi-disciplinary academics. The Building Economics & Management Research Unit (BEMRU) of the department promotes research and scholarly activities in the built environment.

The department's vision is to produce graduates with perception, innovation, imagination and problem solving skills who can respond to new situations. It has a mission for inculcating skills, promotion of mind and advancement of learning through higher education and providing an environment for students to grow intellectually, socially and spiritually.

The department provides consultancy services to the industry in its thrust areas and regularly conducts Continuous Professional Development (CPD) courses for the benefit of quantity surveyors, facility managers and project managers. Plans are also afoot to commence within the next five years, two new degree programmes as Master of Science (MSc) in Building Information Modeling & Management and Bachelor of Science Honours Degree in Building Surveying.



# DEPARTMENT OF BUILDING ECONOMICS

## Degree Programmes:

### Undergraduate Programmes

- Honours Degree of Bachelor of Science in Quantity Surveying (BSc Hons (QS))
- Honours Degree of Bachelor of Science in Facilities Management (BSc Hons (FM))

### Postgraduate Programmes (Taught)

- PGDip/ MSc in Project Management
- PGDip/ MSc in Construction Law and Dispute Resolution
- PGDip/ MSc in Occupational Safety and Health Management

### Postgraduate Programmes (Research)

MSc/ MPhil and PhD (Full-time and part- time) Degree Programmes in the following areas:

- Sustainable Construction
- Disaster Management
- Building Economics and Cost Management
- Procurement and Contracts Management
- Construction Law and Dispute Resolution
- Construction Performance, Productivity and Risk
- Facilities Management and Building Performance Management
- Information and Communication Technologies in Construction
- Knowledge Management, Learning and Innovation in Construction
- Lean Construction and Construction Waste Management
- Construction Project and Organizational Management
- Construction Education
- Building Information Modeling
- Value Management

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# DEPARTMENT OF TOWN AND COUNTRY PLANNING



The Department of Town and Country Planning is mindful of the importance of planning and designing human settlements that provide environments which are conducive for people to live in harmoniously, integrating with natural settings and providing space for their long lasting cultural practices. These settlements need to be designed in such a way that they have the strength to withstand both natural and manmade disasters. Then only it will provide the people who live therein with economic and socio-political freedom to move with global trends in science and technology. Master of Spatial Planning, Management and Design Degree programme offered by the department is the only such programme offered by a state university in Sri Lanka.

The vision of the department is to be the emerging and prestigious centre for knowledge enterprise in spatial planning and spatial management technology.

In order to realize this vision, the department has set out its own well defined goals and is systematically working towards them. It strives to ensure a high quality learning environment for its students in spatial planning, management, design, and technology. Accordingly, the department plans to achieve global recognition to its degree programmes by producing graduates with multiple capabilities and entrepreneurial skills.

The department carries out high quality research in areas such as urban management, infrastructure, urban design, planning technology, environmental planning and community development. It also provides consultancy services to the industry and conducts short courses for practicing professionals in the aforesaid fields.

The department of Town & County Planning has been the centre of the 40<sup>th</sup> Open Environmental Monitoring Project with several international partners including the University of Applied Sciences and Arts of Italian Switzerland (SUPSI). This is the first department of University of Moratuwa to release an internationally refereed journal, 'Bhumi' which commenced publishing in 2009. Articles published in Bhumi, planning research journal are deposited with Crossref and indexed in Google.

The department has been conducting a joint Master's degree programme in collaboration with the 'La Trobe University', Australia since 2012. In addition, the department commenced a new Masters programme titled 'M.Sc. in Environmental Planning' on 2018.



# DEPARTMENT OF TOWN AND COUNTRY PLANNING

## Degree Programmes:

### Undergraduate Programmes

- Honours Degree of Bachelor of Science in Town and Country Planning (BSc Hons (T&CP))

### Postgraduate Programme (Taught)

- Master of Spatial Planning, Management and Design
- Master of Science in Environmental Planning
- Post Graduate Diploma in Environmental Planning

### Postgraduate Programmes (Research)

- MSc
- MPhil
- PhD



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# DEPARTMENT OF INTEGRATED DESIGN

The Department of Integrated Design offers a four year full time undergraduate programme leading to the Bachelor of Design (B Des) Degree. This is the only such course offered by a state university in Sri Lanka. The curriculum of the degree programme has been developed by considering issues, needs and requirements of the design industry in the country to facilitate its independent growth and development to enable it to meet the growing needs of the country. The concept of 'Integrated Design' is incorporated in to the curriculum and students get an opportunity to learn live spatiality, creativity, functionality and aesthetics of an environment.

Teaching methods of the department have been developed to meet its principal goal of producing designers to cater to the emerging innovative economy of Sri Lanka.

The department's vision is to become the frontier of design related higher education at national level, contributing a diverse range of design-field professionals and its mission is to incorporate a pragmatic and socially responsible approach to undergraduate and postgraduate teaching outcomes.

The department provides consultancy services to the industry, inspiring and serving the needs of the society through both contemporary and traditional modes of thought, technology and media, and promotes at the same time the integration of different design fields.

The department conducts an integrated design solution approach which is embedded into the learning curricular system, has the potential of producing exceptional design initiators who can involve in forming a creative industry in the country as well as in the international arena.



# DEPARTMENT OF INTEGRATED DESIGN

## Degree Programmes:

### Undergraduate Programmes

Honours Degree of Bachelor of Design (B Des Hons)

Fields of specializations

- Fashion and Lifestyle Design
- Media and Communication Design
- Product Design

### Postgraduate Programmes

- Master of Design
- MPhil
- PhD



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# FACULTY OF ENGINEERING



The Faculty of Engineering is the largest faculty in University of Moratuwa, comprising over 240 academic staff and around 6000 undergraduate and postgraduate students.

Academic departments of the Faculty of Engineering are as follows:

- Department of Chemical and Process Engineering
- Department of Civil Engineering
- Department of Computer Science and Engineering
- Department of Earth Resources Engineering
- Department of Electrical Engineering
- Department of Electronic and Telecommunication Engineering
- Department of Materials Science and Engineering
- Department of Mathematics
- Department of Mechanical Engineering
- Department of Textile and Clothing Technology
- Department of Transport and Logistics Management
- Department of Languages (servicing the entire university)

Today the Faculty of Engineering of the University of Moratuwa has emerged as a premier school of engineering and engineering research in Sri Lanka and in the South Asian region with an outstanding achievement of engineering student employment rate currently standing at 97 percent at the time of convocation.

This achievement is due to the combination of dedication and untiring efforts of the academic staff as well as other staff of the faculty who strive to offer an exceptionally high quality engineering education. It thus ensures that the students have all necessary competence in fundamental concepts making them highly employable both at home and abroad.

The faculty at present offers the Bachelor of the Science of Engineering degree in ten disciplines, the Bachelor of Design in Fashion Design and Product Development and the Bachelor of Science in Transport and Logistics Management. In addition, the faculty offers a large number of postgraduate degrees including MSc, MEng, MBA, MPhil and PhD.

All ten specializations of engineering degree programme have been accredited by the Institution of Engineers, Sri Lanka (IESL) which is the premier professional body governing the engineering profession in Sri Lanka.

The faculty also has an Industrial Training Division in addition to the above academic departments which coordinates industrial training of the undergraduates.

All the academic and administrative activities of the faculty are co-ordinated by the Dean's office assisted by the following administrative units:

# FACULTY OF ENGINEERING

- Undergraduate Studies Division
- Postgraduate Studies Division
- Engineering Research Unit
- Quality Assurance Cell

The Faculty of Engineering of the University of Moratuwa takes a leadership role in engineering education in Sri Lanka by contributing to its sustainable, scientific, technological, social and economic development.



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# DEPARTMENT OF CHEMICAL AND PROCESS ENGINEERING



The Department of Chemical and Process Engineering at the University of Moratuwa is one of the premier engineering departments in the Sri Lankan university system. With a vision to standardize, optimize and scale up the production processes in a commercially viable manner through the sustainable utilization of raw materials, the unique mission of the department is to satisfy its objectives.

The Department of Chemical and Process Engineering maintains a close collaboration with the industry. The industry facilitates the department with internship opportunities for undergraduates, and provides competent and well-experienced mentors for the mentoring programmes of the department, while assisting the department in organizing field visits for undergraduates that will enhance their competencies. The close relationship the Department maintains with the industry helps fresh graduate to find career opportunities easily. The Department Industry Consultative Board further strengthens the bond between the department and the industry while improving the quality of the degree programme towards enhancing the proficiency of the future-graduates in meeting industrial requirements.

The department not only encourages and promotes students to associate with professional institutions and various societies and associations but also encourages and facilitates many extra-curricular activities and sports activities, in order to enhance their

knowledge and soft-skills as a prospective professional. Their stay at the department under the wings of well-qualified and well-experienced academic staff, and within a well-established, well-maintained and stimulating environment is definitely a career developing and an exciting experience for them.

The Department of Chemical and Process Engineering is a blessing to the university and students in every aspect as it always strives to deliver chemical and process engineering knowledge, skills and innovation to ensure a sustainable tomorrow through education, research and consultancy services provided with dedication, devotion and commitment.





# DEPARTMENT OF CHEMICAL AND PROCESS ENGINEERING

## Degree Programmes:

### Undergraduate Programmes

Honours Degree of Bachelor of the Science of Engineering (BSc Eng Hons) in Chemical and Process Engineering

Focus areas

- Energy and Environmental Engineering
- Food and Biochemical Engineering
- Polymer Engineering
- Petroleum Engineering

### Postgraduate Programmes (Taught)

- PGDip/ MSc in Polymer Technology
- PGDip/ MSc in Sustainable Process Engineering

### Postgraduate Programmes (Research)

- MSc
- MPhil
- PhD



## Contact Information

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# DEPARTMENT OF CIVIL ENGINEERING



The Department of Civil Engineering is one of the strongest and well-established academic departments in the Sri Lankan university system. Its strength lies in its academic staff who come from diverse academic backgrounds with qualifications obtained from universities located in different parts of the world. This makes the department academically strong even by international standards. While the flagship programme of the department is Bachelor of the Science of Engineering Honours (BSc Eng Hons) Degree programme in the field of Civil Engineering, the department also offers postgraduate degree programmes (both taught and research) as well as Continuing Professional Development (CPD) programmes actively engaging in research and development activities.

BSc Eng Hons Degree Programme in Civil Engineering offered by the department is well-established covering many areas such as building & structural engineering, construction engineering & management, environmental engineering, geotechnical engineering, hydraulic & water resources engineering and transportation engineering. Its curriculum is being continuously revised in keeping with changes in the educational system and needs of the profession. The programme offers considerable flexibility to students in that they can select modules of their choice for studying and provides them with an environment that prepares them for their future careers.

The department strives to provide a learning environment that enables students to gain familiarity with state of the art technologies and practices. Teaching, learning and assessment schemes are developed in keeping with attributes expected from graduates. The degree programme has been accredited by the Institution of Engineers, Sri Lanka (IESL) and the Washington Accord (an international accreditation agreement for professional engineering academic degrees over 18 countries including Australia, Japan, UK and USA).



# DEPARTMENT OF CIVIL ENGINEERING

## Degree Programmes:

### Undergraduate Programmes

- Honours Degree of Bachelor of the Science of Engineering (BSc Eng Hons) in Civil Engineering

### Postgraduate Programmes (Taught)

- PGDip/ MSc in Geotechnical Engineering
- PGDip/ MEng in Highway and Traffic Engineering
- PGDip/ MSc in Water Resources Engineering and Management
- PGDip/ MSc in Construction Project Management
- PGDip/ MSc in Environmental Engineering and Management
- PGDip/ MSc in Environmental Management
- MSc in Structural Engineering
- PGDip/ MSc in Transportation

### Postgraduate Programmes (Research)

- MSc
- MPhil
- PhD



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# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



The Department of Computer Science and Engineering of the University of Moratuwa established in 1985 is a pioneer in ICT (Information and Communication Technology) education in Sri Lanka. The department offers Bachelor of the Science of Engineering Honours (BSc Eng Hons) Degree programme in Computer Science and Engineering as its flagship academic course. The intake for this programme has grown steadily from the 16 students who were there in the inaugural batch to 128 in the current batch with two study streams. The graduates of this degree programme are highly sought after by the industry as evidenced by the fact that typically more than 90% of students of a graduating batch get offers for employment prior to their graduation and 100% of employment at graduation. Some students also get admission to foreign universities for postgraduate studies.

The department conducts three postgraduate taught courses and also research based Master of Science, Master of Philosophy and Doctor of Philosophy programmes. The research work of the department involves numerous areas in computer science and computer engineering such as localization, e-Learning, big data, text mining, image processing, robotics, VLSI (Very Large Scale Integration), networking, knowledge representation, computer and network security, collaborative research with industry etc. The department strongly believes in enhancing soft and leadership skills of students and there are many programmes in

place to help students to enhance these skills. Students of the department actively participate in numerous competitions at departmental, national and international levels. Unparalleled achievements of students of the department at Google Summer of Code (GSoc) to make the University of Moratuwa a top ranking global University bears testimony for talents of the students.

The department has a very strong collaboration with the IT industry. The department is an active sponsor of Lanka Software Foundation (LSF) and one of their research laboratories is located in the department. The Microsoft Mobile Technology laboratory sponsored by Microsoft Sri Lanka is another addition to the resources of the department. The department provides software support for researchers and provides consultancy services for both the state and private sectors for their projects of national importance. The department also offers short courses on computer awareness, networking technologies and other related fields for the general public and for the state and private sector organizations. The department actively participates in events organized by the Institution of Engineers, Sri Lanka (IESL), Computer Society of Sri Lanka (CSSL), British Computer Society - Sri Lanka (BCS-SL), etc., contributing to the developments of the computer engineering field in Sri Lanka.

The department actively supports the Computer Science and Engineering Society (CS&ES), University of Moratuwa whose membership is open to all CSE students at the University. CS&ES which consists of past and present students has been formed as the forum for alumni of the department to meet and actively engage in developing the department.

# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## Degree Programmes:

### Undergraduate Programmes

Honours Degree of Bachelor of the Science of Engineering (BSc Eng Hons)  
Specialized Streams

- Computer Science and Engineering
- Integrated Computer Engineering

### Postgraduate Programmes (Taught)

- MSc in Computer Science
- MBA in Information Technology
- MBA in e-Governance

### Postgraduate Programmes (Research)

- MSc
- MPhil



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# DEPARTMENT OF EARTH RESOURCES ENGINEERING



The history of the Department of Earth Resources Engineering dates back to 1973, when Houldsworth Katubedda link termed as “Leeds Link” was instituted for the establishment of graduate level education schemes in Sri Lanka. This department was established as a division of the School of Applied Science under the above link with assistance from the Overseas Development Ministry in London. From 1973 to 2000, the department operated under the name Mining and Minerals Engineering and offered the Bachelor of the Science of Engineering Degree Programme in Mining and Minerals Engineering. Responding to challenges created by the expansion of the industrial sector, economic growth of the country and government policies, the department was restructured in the year 2000 and, renamed as the Department of Earth Resources Engineering, enabling the department to accommodate a wider range of disciplines. In keeping with this, the annual student intake was also increased up to 50.

Students of the department are exposed to areas of mineral exploration, mining engineering and mineral processing. Mineral exploration involves the study of geology of ore deposits and their exploration using geophysical and geochemical methods, geological mapping, groundwater studies and offshore exploration for minerals. Mining involves, mine designing, rock blasting, shaft sinking, tunneling, drilling, hoisting and quarrying in open-pit and underground mining. Mineral processing involves processing of minerals for metal extraction and refining minerals for industries.

In the year 2004, the department managed to secure a grant from the World Bank for the purpose of Improving the Relevance and Quality of Undergraduate Education (IRQUE) as an emerging field of study. Consequently, the department revised and expanded its undergraduate curriculum to offer three minors under the study stream of Earth Resources Engineering. These three minors are Remote Sensing and Geographic Information Systems (RS&GIS), Ocean Resources Engineering and Gem & Jewellery.

In 2014, the department was awarded a grant from the Government of Sri Lanka in its 2013 budget proposals for introducing petroleum engineering in to the undergraduate education system. As a result, the main degree programme was restructured with mining and minerals engineering stream having four areas viz., Remote Sensing and Geographic Information Systems (RS&GIS), Ocean Resources Engineering, Gem & Jewellery and Petroleum Engineering.

The department has placed considerable emphasis on introducing modern software in a variety of disciplines such as rock blasting, mine planning and designs with the establishment of a new computer design laboratory. Students in the department gain further exposure to modern design software and skills in modeling. Those who select the focus area of RS & GIS will be exposed to the theory and applications in this field, which is a tool for planning, managing and policy development of natural resources as well as disaster mitigation. Ocean Resources Engineering exposes students to the exploitation of ocean resources, while the Gem & Jewellery focus area covers areas of jewellery design, production technology and production management. The newly introduced petroleum engineering focus area will cover areas in petroleum exploration, drilling and production.

# DEPARTMENT OF EARTH RESOURCES ENGINEERING

Senior academic staff of the Department of Earth Resources Engineering have had specialized training both locally and overseas in the fields of extraction metallurgy, mineral processing and analytical chemistry.



## Degree Programmes:

### Undergraduate Programmes

- Honours Degree of Bachelor of the Science of Engineering (BSc Eng Hons) in Earth Resources Engineering  
Mining and Mineral Engineering Stream  
Focus areas
  - Ocean Resources Engineering
  - Gem and Jewellery
  - Remote Sensing & Geographic Information Systems (RS&GIS)
  - Petroleum Engineering

### Postgraduate Programmes (Taught)

- PGDip/ MSc in Remote Sensing and Geographic Information Systems
- PGDip/ MSc in Mining and Mineral Exploration

### Postgraduate Programmes (Research)

- MSc
- MPhil
- PhD

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# DEPARTMENT OF ELECTRICAL ENGINEERING



The Department of Electrical Engineering of the University of Moratuwa specializes in the disciplines of electrical power generation, transmission & distribution; electrical machines and drives; power electronics; industrial automation; renewable energy and environment.

The department is one of the founder departments of the Faculty of Engineering and at present conducts the Bachelor of the Science of Engineering Honours (BSc Eng Hons) Degree programme for an annual intake of about 100 undergraduates. In addition to this, it conducts taught MSc/PG Diploma programmes and postgraduate research programmes. Approximately 100 students register each year for the three MSc/PG Diploma programmes of Electrical Engineering, Electrical Installations, and Industrial Automation. The department also offers research degrees leading to Master of Science, Master of Philosophy and Doctor of Philosophy.

The electrical engineering undergraduate programme prepares and trains undergraduates for electricity and energy sectors, electrical construction industry, manufacturing industry and industrial automation.

Academic staff members of the department have expertise in diverse areas with international exposure and have postgraduate research experience. Research areas of the staff include high voltage engineering, power system transient analysis, energy systems, energy policy making, computational intelligence, nuclear engineering, power electronics and drives, machine intelligence, robotics, control systems and automation. Many of the staff members have served in advisory capacities both in the state and private sector organizations. In addition to its research activities, the department also undertakes and conducts consultancy work and product testing for the electricity industry in Sri Lanka.



# DEPARTMENT OF ELECTRICAL ENGINEERING

## Degree Programmes:

### Undergraduate Programmes

- Honours Degree of Bachelor of the Science of Engineering (BSc Eng Hons) in Electrical Engineering

### Postgraduate Programmes (Taught)

- PGDip/ MSc in Electrical Engineering
- PGDip/ MSc in Electrical Installations
- PGDip/ MSc in Industrial Automation
- PGDip/ MSc in Building Services Engineering (Conducted jointly with the Department of Civil Engineering and Mechanical Engineering)
- Postgraduate Certificate in Industrial Automation

### Postgraduate Programmes (Research)

- MSc
- MPhil
- PhD



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# DEPARTMENT OF ELECTRONIC AND TELECOMMUNICATION ENGINEERING



The development that takes place globally in the fields of electronics, telecommunications and biomedical engineering makes these fields fast changing, the most challenging and coveted specializations of engineering. The Department of Electronic and Telecommunication Engineering produces multi-faceted electronic and telecommunication graduates who are ready to take up challenges both nationally and internationally.

The department conducts two four year Bachelor of the Science of Engineering Honors (BSc Eng Hons) courses. One specializes in electronic and telecommunication engineering which caters to the fields of electronics, embedded systems, industrial automation and telecommunication. The other is in biomedical engineering with major focus on biomedical imaging and instrumentation. The department vision for graduates is to provide the skills to handle a field driven by rapid technological change and innovative disruption, that makes any application or technology specific training short lived. This is realized through a regularly revised curriculum that provides the core fundamentals of electronics, signal processing and telecommunication theory that enable the technology to run and application skills of mathematics, statistics and design thinking to bring about innovation. The degree programme has been accredited by the Institution of Engineers, Sri Lanka which is a signatory to the Washington

Accord, and this makes the graduates of this programme recognized globally.

In addition, the department hosts two graduate coursework programmes. The Master of Science in Telecommunications with in depth content in communication theory and the Master of Science in Electronics and Automation which focuses on the state of the art in electronics, industrial automation, control theory and robotics. Full time graduate research degrees are also available for students with an aptitude for fundamental research.

The senior staff of the department comprise of 20 PhDs with expertise in diverse fields including semiconductors, electronics, signal processing, communication theory, wireless communication, optical communication, avionics, electromagnetic and antenna theory, industrial automation, control theory, robotics, biomedical instrumentation, digital systems, VLSI, computer vision and data sciences.

Facilities of the department include six modern laboratories that conduct laboratory classes for undergraduate teaching, a computer laboratory and electronics workshop. There are also three industry sponsored laboratories administered by Dialog Axiata, Zone 24x7, and Premium International that engage in industrial product development providing the undergraduate students with insights into the process. The Vision Lab is a research oriented lab for both undergraduate and graduate students. In addition, there is a postgraduate laboratory dedicated to graduate research. Moreover, collaborative spaces within the department help students relax, refresh and find inspiration.

The undergraduates of the department organize exhibitions, workshops, and competitions

# DEPARTMENT OF ELECTRONIC AND TELECOMMUNICATION ENGINEERING

for school children annually. In addition, social service activities are conducted to help under-privileged people. These activities complement the academic programmes and help the overall development of the graduates. The department encourages innovative thinking and entrepreneurial innovation. These together with the department's legacy of excellence enable enthusiastic students to become highly recognized engineers or researchers both nationally and internationally.



## Degree Programmes:

### Undergraduate Programmes

- Honours Degree of Bachelor of the Science of Engineering (BSc Eng Hons) in Electronic and Telecommunication Engineering
- Honours Degree of Bachelor of the Science of Engineering (BSc Eng Hons) in Biomedical Engineering

### Postgraduate Programmes (Taught)

- PGDip/ MSc in Telecommunications
- PGDip/ MSc in Electronics and Automation

### Postgraduate Programmes (Research)

- MSc
- MPhil
- PhD

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# DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING

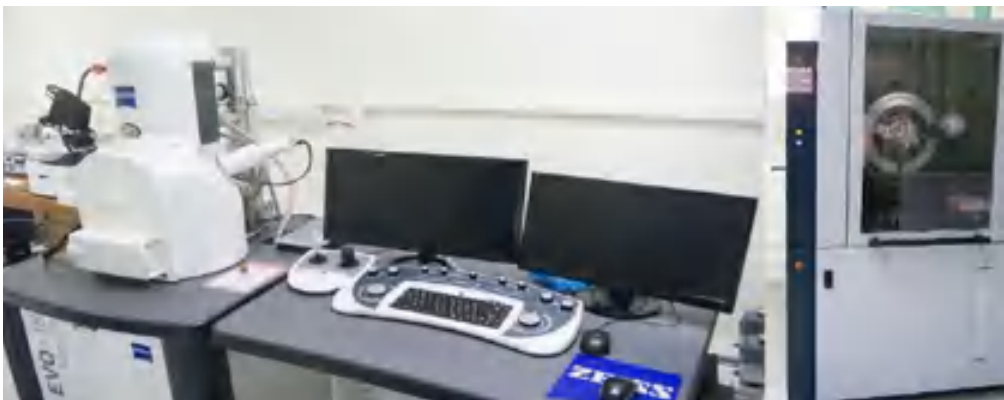


**M**aterials Science and Engineering is a rapidly advancing discipline of engineering with a high employment potential world over. Metallurgical engineering, polymer engineering, ceramic engineering, nanomaterials, electronic and magnetic device engineering and construction materials are its major thrust areas. The University of Moratuwa is the only university in Sri Lanka that offers a Bachelor of the Science of Engineering Honours Degree (BSc Eng Hons) program in Materials Science and Engineering.

The progress made by engineering in the last fifty years has been directed by materials scientists and engineers around the world. There is no denying of the fact that it is the innovations in materials that pushes the technology advances in all fields of engineering. Anti-staining coatings, flexible electronic displays, magnetic fluid speakers and new electric energy storage devices are some of these innovations.

The department's vision is to become a centre of excellence in higher learning, research, industrial consultancy and other relevant activities in materials science and engineering. Its mission is to provide the opportunity for undergraduates and postgraduates to acquire specialized knowledge in the development and processing of engineering materials with attention given to economic and environmental aspects while studying design, management and information technology to

cater to national development. The degree programme in materials science and engineering conducted by the department is accredited by the Institution of Engineers, Sri Lanka (IESL) and is a qualification recognized to become a chartered engineer of IESL and to get registered with the IESL as an internationally recognized professional engineer. The curriculum is regularly updated with continuous feedback from students, alumni, industry and employers and this provides flexibility, diversity and relevance to the degree programme and allows students to select areas that are in the forefront of technology. Graduates of the department are employed globally and are involved in production and processing, research and development, planning, quality control, etc.



# DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING

## Degree Programmes:

### Undergraduate Programmes

- Honours Degree of Bachelor of the Science of Engineering (BSc Eng Hons) in Materials Science and Engineering with optional focus areas in polymer engineering and electronic materials engineering

### Postgraduate Programmes (Taught)

- PGDip/ MSc in Materials Science

### Postgraduate Programmes (Research)

- MSc
- MPhil
- PhD



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# DEPARTMENT OF MATHEMATICS



The Department of Mathematics serves all other departments in the Faculty of Engineering. Mathematics is one of the oldest academic disciplines and is one of the most developed disciplines for solving problems in basic sciences as well as engineering sciences and is considered as 'The Queen of Engineering Sciences'. Statistics, too, is a versatile subject that derives inferences from sample data drawing conclusions for decision making.

The vision of the department is to be recognized nationally as well as internationally for its excellence in teaching and research in mathematics and statistics. The department offers a variety of common modules up to the fourth semester and some modules for other departments depending on their requirements.

The department covers important sections in the areas of Logic & Set Theory, Real Analysis, Numerical Methods, Multivariate Calculus, Ordinary Differential Equations, Probability and Statistics, Linear Algebra and Graph Theory. From level 3, the department offers applied statistics, linear models and multivariate statistics, operational research, time series and stochastic process and neural network and fuzzy logic.

The Masters' Degrees in Operational Research and Business Statistics are conducted only by the Department of Mathematics in the country. The department is planning to introduce a new

postgraduate programme for mathematics especially for teachers of mathematics in schools. The department also provides statistical advisory services to the university community. It has computer laboratories equipped with common mathematical and statistical software for use by the research students of the university.





# DEPARTMENT OF MATHEMATICS

## Degree Programmes:

### Postgraduate Programmes (Taught)

- PGDip/ MSc in Operational Research
- PGDip/ MSc in Financial Mathematics
- PGDip/ MSc in Business Statistics

### Postgraduate Programmes (Research)

- MPhil
- PhD



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# DEPARTMENT OF MECHANICAL ENGINEERING



**M**echanical Engineering is a core field of engineering and the Department of Mechanical Engineering is one of the pioneering academic departments of the Faculty of Engineering. The department being conscious of the importance of the contribution that mechanical engineering can make to the national development considers energy engineering, automobile, thermo-fluids, design and manufacturing, industrial automation, robotics & mechatronics, and industrial engineering as its thrust areas.

The vision of the department is to be an internationally recognized centre of excellence offering a study programme of high quality teaching, research, industry-related consultancy and outreach activities with national relevance, innovation and creativity in the field of mechanical engineering. Its mission is to produce engineers and researchers with a sound knowledge in the fundamentals of traditional, modern and emerging areas of engineering together with innovative design abilities, IT and managerial skills, which are essential to achieve sustainable national development.

The department is rich with staff members having postgraduate qualifications in diversified fields of mechanical engineering who carry out research in areas of building energy, biomass and bio energy, sustainable energy system, assistive robotics, biomedical devices, MEMS/NEMS & mechatronics, computer aided modeling

and analysis and industrial engineering through MSc, MPhil and PhD research degrees.

It also undertakes various industry-related consultancy projects in its thrust areas on regular basis and conducts continuous professional development (CPD) courses for both engineers and technical personnel. The Die and Mould Facilitation and Development Centre is a testimony of the confidence that the industry has on the department.



# DEPARTMENT OF MECHANICAL ENGINEERING

## Degree Programmes:

### Undergraduate Programmes

Honours Degree of Bachelor of the Science of Engineering (BSc Eng Hons) in Mechanical Engineering

Streams

- Mechatronics
- Aeronautical Engineering

Focus areas

- Energy Engineering
- Product Design & Manufacturing Engineering
- Building Services Engineering
- Industrial Engineering

### Postgraduate Programmes (Taught)

- PGDip/ MEng in Energy Technology
- PGDip/ MEng in Manufacturing Systems Engineering
- PGDip/ MSc in Building Services Engineering

### Postgraduate Programmes (Research)

- MSc
- MPhil
- PhD



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# DEPARTMENT OF TEXTILE AND APPAREL ENGINEERING



The textile industry has stretched into almost every sphere in the world. The apparel and textiles industry is the largest export-oriented manufacturing industry in Sri Lanka, contributing considerably to the nation's export revenue. The department is well aware of the importance of the study area in national development and over the years has improved its curriculum incorporating latest teaching methods and by employing a group of academics who have obtained their postgraduate qualifications from internationally recognized universities.

The vision of the department of Textile and Clothing Technology is to offer the most sought after degree programme in textile and apparel related disciplines. Its mission is to provide competent well-rounded graduates for the benefit of national and regional communities; to maintain high standards and to be subject to continuous improvement in all aspects of teaching and learning; and to produce graduates who have up to date knowledge, relevant skills and positive attitudes.

The department has so far produced over 1300 BSc Engineering graduates and 400 B Des graduates, and most of them are gainfully employed in the industry, making an enormous contribution to its growth. The department also offers a variety of Continuing Professional Development programmes while being actively engaged in research, consultancy and development activities.

The department currently carries out research in the areas of productivity improvement, sustainability, new textured yarn structures, behavior of knitted fabrics, natural dyes, fibrefilled products, performance fabrics, automation, market studies and consumer behavior.





# DEPARTMENT OF TEXTILE AND APPAREL ENGINEERING

## Degree Programmes:

### Undergraduate Programmes

- Honours Degree of Bachelor of Design in Fashion Design & Product Development (B Des Hons (FD&PD))
  - Pathways
    - Fashion Design
    - Textile Design
- Honours Degree of Bachelor of the Science of Engineering (BSc Eng Hons) in Textile & Clothing Technology
  - Focus Areas
    - Textile Engineering
    - Apparel Engineering
    - Coloration & Finishing
    - Technical Textiles

### Postgraduate Programmes (Taught)

- PGDip/MSc in Textile & Clothing Management

### Postgraduate Programmes (Research)

- MSc
- MPhil
- PhD



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# DEPARTMENT OF TRANSPORT AND LOGISTICS MANAGEMENT



Established in 2005 and affiliated to the Faculty of Engineering of the University of Moratuwa, the Department of Transport and Logistics Management has fulfilled a long felt need of the industry to develop qualified professionals in the areas of transport, logistics and supply chain. The flagship programme of the department is the Bachelor of Science in Transport and Logistics Management. In addition, the department also offers postgraduate programmes (MSc & PhD), short courses and consultancy services to government institutions and industries. The department has earned high recognition in all sectors, both locally and internationally, due to several Memorandums of Understanding (MoU) it has entered into with different institutions/universities and the resulting collaborative programmes.

The undergraduate degree programme comprises a wide variety of technical and management subjects as well as a multitude of skills development modules. Subjects such as shipping, aviation, road transport, network planning, logistics, supply chain management, operations research, mathematics, information technology, economics, finance, accounting, management, business law. etc., are taught throughout the four year degree programme. In the final year, the students are allowed to specialize in one of the four focus areas of air transport, maritime transport, transport systems or supply chain management.

The department offers postgraduate programmes and to meet the demands of the working professionals, the department also offers a variety of short courses, customized training programmes, seminars and workshops conducted as Continuing Professional Development (CPD) programmes.

A mandatory component of the undergraduate degree programme is industrial training which has a duration of 24 weeks at well recognized organizations, exposing students to the industry, and providing them with a glimpse of what the industry is expecting from fresh graduates. The Industry Mentoring Programme and Career Development Camp also provide valuable tips for undergraduates to prepare for life after university. The department is supported by an effervescent Department-Industry Consultative Board (DICB) which meets annually to review and improve the academic programmes of the department.



# DEPARTMENT OF TRANSPORT AND LOGISTICS MANAGEMENT

## Degree Programmes:

### Undergraduate Programmes

- Honours Degree of Bachelor of Science in Transport & Logistics Management (BSc Hons (T&LM))

### Postgraduate Programmes (Taught)

- PGDip/MBA in Supply Chain Management

### Postgraduate Programmes (Research)

- Mphil
- PhD



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# DEPARTMENT OF LANGUAGES



The Department of Languages of the University of Moratuwa was established in 2016, with the main objectives of addressing language skills development needs of the entire University and offering tailor-made language enhancement courses to all stakeholders. The Department facilitates the development of language skills such that undergraduates and graduates can excel unhindered due to such deficiencies both academically and professionally.

The department functions under the Faculty of Engineering for administrative purposes, but serves the needs of the entire University. It is managed by a Board of Studies comprising heads of all academic departments and directors of undergraduate and postgraduate studies of all four Faculties.

## Main Programmes

- Pre-academic Term: Communication Skills Development Programme - EL 1010 (Foundation)

The Communication Skills Development Programme (Foundation) conducted for new entrants of the Engineering Faculty during the pre-academic term, seeks to strengthen the key language competencies required for undergraduate academic studies and to minimise inhibitions when using English. This course concentrates on listening and note taking,

familiarisation to technical language, functional grammar and spoken and written production skills enhancement.

A placement test will be held during this programme so that the two language skills enhancement courses offered during semesters 1 & 2 can be offered at the appropriate levels of proficiency to the new entrants.

- Semester 1 : Language Skills Enhancement I (EL 1012)
- Semester 2 : Language Skills Enhancement II (EL 1022)

The EL 1012 and EL 1022 programmes, offered during Semesters 1 and 2 respectively, aim to further improve English language proficiency in the key areas of reading comprehension, condensing information, writing coherently and logically for developing an idea and contributing to a subject related discussion. These programmes also focus on developing presentation and interactive skills. The students are required to do projects which involve group discussions and presentations. These programmes include a writing component which serves as a stepping stone for technical writing.

The final grades obtained on EL 1012 and EL 1022 contribute to students' GPA, and are upgradeable during subsequent attempts.

## Electives

The following courses are offered as electives

# DEPARTMENT OF LANGUAGES

- Semester 2 : Sinhala as a Second Language (DE 2580)
- Semester 2 : Tamil as a Second Language (DE 2590)
- Semester 4 : Japanese as a Foreign Language (DE 2610)
- Semester 4 : Technical and Scientific Writing (EL 2710)

## Minors

The Department of Languages offers two pathways, each with different focus, towards earning a Minor in English.

Literature Pathway: Minor in English Literature

This concentrates on introducing the academic study of literature to those in programmes such as engineering with no prior exposure to this area. The courses offered are listed below.

- Semesters 3 & 4: Introduction to Literary Criticism: Ways of Seeing and Reading (EL 2410)
- Semester 4 : Introduction to Poetry and Drama (EL 2420)
- Semester 5 : Contemporary South Asian Fiction Writing (EL 3410)
- Semester 7 : Literature and Translation (EL 4410)
- Semester 8 : Science Fiction: Cyborgs and Dystopia (EL 4420)

Language Skills Pathway: Minor in English for Academic and Professional Purposes

This attempts to impart language-related skills conducive to improving academic skills and career prospects. The courses offered are listed below.

- Semester 3 : English for Professional Purposes (EL 2310)
- Semester 4 : Academic Writing and Critical Reading (EL 2320)
- Semester 5 : Creative Writing (EL 3310)
- Semester 7 : Research Communication - Writing Up Research (EL 4310)

## Other Programmes

The following can be offered on request:

- Self-study /tailor-made courses for groups.
- Individual assistance on specific areas such as report/ thesis writing.

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# FACULTY OF INFORMATION TECHNOLOGY



The Faculty of Information Technology is one of the five faculties of the University of Moratuwa and is the first ever faculty of its kind in the national university system of Sri Lanka. The faculty was established in June 2001 to cater to the growing need for Information Technology (IT) professionals in the country. Presently, the Faculty of Information Technology conducts two internal degree programmes, namely, Bachelor of Science Honours (BSc Hons) in Information Technology and Bachelor of Science Honours (BSc Hons) in Information Technology & Management, and the external degree programme, Bachelor of Information Technology.

One of the main objectives of setting up the faculty is to increase the number of IT professionals in Sri Lanka by at least another 500. Some of the other objectives of establishing the faculty are the introduction of postgraduate programmes, carrying out research programmes for the industry to help them solve technical problems, providing consultancies to the local industry and creating an educational environment for the continuous professional development of IT professionals in Sri Lanka.

Eighteen batches of students have so far been admitted to the faculty for the internal undergraduate programme and out of these, 13 batches have already passed out after completing their studies successfully. The faculty is conducting a Master of Science in IT, a Master of Science in Artificial Intelligence, a Master

of Philosophy and Doctoral degrees as postgraduate programmes starting from early 2004. A few professional development programmes have also been designed to address the immediate needs of the local IT industry. The current undergraduate student population is about 1500. The faculty is committed to continue to develop and expand its activities catering to the ever changing needs of the IT industry and to become an entity which both the students and the industry would look up to.





# FACULTY OF INFORMATION TECHNOLOGY

The Faculty of Information Technology has within it the following 3 academic departments.

- Department of Information Technology
- Department of Computational Mathematics
- Department of Interdisciplinary Studies



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# DEPARTMENT OF INFORMATION TECHNOLOGY



The undergraduate and postgraduate degree programmes offered by the Department of Information Technology are geared towards bringing people and Information Technology (IT) together to create and disseminate knowledge for making a positive change of international relevance to the society to be in line with national priorities.

The undergraduate programme offered by the department leads to the Bachelor of Science Honours Degree in Information Technology which is recognized by the industry in both Sri Lanka and overseas. The undergraduates of this degree programme have excelled in IT competitions for several consecutive years. The employability of the graduates is quite high.

The courses offered by the department covers multimedia technologies, geographic information systems, data communication and networks, database systems, software engineering, mobile technologies, human computer interaction, high performance computing, system automation, intelligence systems, information security and big data processing. Research conducted at the department is funded by various funding agencies and there are collaborations with foreign universities for the research projects.

The department maintains a close relationship with national and international universities.



# DEPARTMENT OF INFORMATION TECHNOLOGY

## Degree Programmes:

### Undergraduate Programmes

- Honours Degree of Bachelor of Science in Information Technology (BSc Hons (IT))
- Honours Degree of Bachelor of Science in Information Technology & Management (BSc Hons (IT &M))
- Bachelor of Information Technology External Degree (BIT (External))

### Postgraduate Programmes (Taught)

- PGDip/ MSc in Information Technology

### Postgraduate Programmes (Research)

- MSc
- Mphil
- PhD



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# DEPARTMENT OF COMPUTATIONAL MATHEMATICS



The Department of Computational Mathematics offers course modules for the Bachelor of Science Honours Degree Programme in Information Technology and Bachelor of Science Honours Degree Programme in Information Technology & Management conducted by the Faculty of Information Technology. These course modules which are in three specific subject areas, namely, 'Mathematics & Statistics', 'Theory of Computing' and 'Computational Intelligence' cover areas of computing that are theoretically-based and include a wide spectrum of modules in artificial intelligence.

The department has also established an Artificial Intelligence Research Laboratory to conduct research at both postgraduate and undergraduate levels and works closely with the Sri Lanka Association for Artificial Intelligence. Research in the areas of cognitive systems, machine learning, multi agent systems, ontological modeling and theory of computing is conducted at this laboratory in collaboration with experts in both local and foreign universities.

The Master of Science Programme in Artificial Intelligence offered by the department is the first such course introduced in Sri Lanka and covers fundamentals of artificial intelligence as well as its cutting edge technologies. The primary objective of the programme is to enable students to make use of the knowledge of theory and applications of modern artificial intelligence

techniques to devise intelligent software solutions that can open up multifaceted career paths for them. This programme inculcates research skills into students through a set of unique course modules, research methodologies, philosophy of science and scientific communication. Projects in this Master of Science programme exemplify the power of multi-agent systems, ontological modeling, brain machine interfacing and framework developments and a considerable percentage of them appear in international publications annually. The course is ideal for those who intend to read for their doctoral degrees in artificial intelligence, computer science, computer engineering, software engineering or any other high-end computing field.



# DEPARTMENT OF COMPUTATIONAL MATHEMATICS

Degree Programmes:

Postgraduate Programmes (Taught)

- MSc in Artificial Intelligence
- PG Certificate in Data Analysis and Pattern Recognition



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# DEPARTMENT OF INTERDISCIPLINARY STUDIES



The Faculty of Information Technology offers degree programmes in the field of Information Technology (IT). The Department of Interdisciplinary Studies is one of the three departments of the faculty that supports these degree programmes.

In order to perform appropriately and survive in the competitive world today, every professional should possess technical skills, as well as language & communication skills, management skills, and skills to deal with the society and the profession.

The Department of Interdisciplinary Studies is dedicated to create multifaceted professionals through course modules encompassing core areas of management of information technology, which include business management, language & communication, finance and accounting, project management, business intelligence, innovation & entrepreneurship, professional practice, and projects.

An information technology professional should be conversant as to how society functions, in order to create IT solutions to address problems of the society, including business problems. They are also required to manage IT resources efficiently, motivate & work with team members, and function as responsible members of the society. In this regard, the Department of Interdisciplinary Studies provides undergraduates with an overall understanding of required core management areas, to enrich their technical skills.

Language and communication skills are essential for individuals to acquire & disseminate knowledge, gain advantages and excel in their chosen fields. The Department of Interdisciplinary Studies diligently imparts these skills to the undergraduates, who have mostly studied in their mother tongue until gaining admissions to the university, and are called upon to learn exclusively in the English medium, to enable them to perform effectively in their chosen career paths.

Understanding the importance of the acceptance of the graduates of the department by the society, the department has been entrusted with the challenging task of developing soft skills of undergraduates who come from different cultural and social backgrounds, providing them with an insight as to how the society functions, through course modules covering social aspects and professional practice.

Through their engagement in projects that enable interaction with the information technology industry, undergraduates are exposed to practical applications of their theoretical knowledge, and they are also given the opportunity to demonstrate their skills to prospective employers in the field. Group projects help to build essential soft skills such as teamwork, leadership, time management, and effective communication. The department provides guidance and support for students to effectively complete their projects.

The department also facilitates the acquisition of additional knowledge and skills via non-technical course modules such as international languages including Japanese, French, German, Hindi, and Korean. Exposure to international languages helps the students to cultivate

# DEPARTMENT OF INTERDISCIPLINARY STUDIES

a multicultural understanding and thereby broaden their horizons. The other non-technical modules offered cover areas of health & safety, food & nutrition, and understanding customer service, which help in creating robust graduates, capable of addressing issues that require both mental and physical health.



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# FACULTY OF BUSINESS



The University of Moratuwa Established a Faculty of Business in February 2017 fulfilling a much desired and long awaited need of a faculty that focuses on business science in Sri Lanka. The Faculty of Business of University of Moratuwa was officially opened to receive students of 2016 Advanced Level Examination. It was formed after a rigorous analysis of the current and future job market for business graduates in Sri Lanka and the global trends in business education. The analysis was done in collaboration with industry leaders, foreign subject experts and academic staff of various organizations.

The business world is gravitating fast towards scenarios where decision making is based on data that is not so straight forward and no longer is the case where investment decisions can be deemed optimal just based on traditional financial indicators. Sophisticated analytics dominates decision making in many developed countries and world class organizations but unfortunately not so much of this latest state of the art in business was seen in Sri Lanka. Sri Lankan business education is still at the infancy with respect to serious business analytics or financial analytics. At the same time many organizations are not realizing the productivity gains possible through optimizing business processes.

Having done a comprehensive analysis of Sri Lankan business

operations and realizing the potential of Sri Lanka to become the analytic hub of Asia, University of Moratuwa embarked on a new journey by establishing a Business Faculty to address the aforementioned areas – a first of its kind in Sri Lankan state universities. In contrast to traditional business and management education, the new faculty focuses on analytical and practical aspects of business.

The Faculty of Business will award a Bachelor of Business Science Honours (BBS) degree in three specializations namely Business Analytics Specialization, Business Process Management Specialization and Financial Analytics Specialization. The Faculty of Business consists of three departments and holds the vision “Transforming businesses through innovations”. The objective of the new faculty is to provide students with the knowledge and skills appropriate to the discipline of Business Science in preparation for a career in the broad areas of Business, Management and Finance and to develop the students’ competence in, and provide a comprehensive grounding in, the core areas of Business Science.

The degree programme is open to students who sat G.C.E A/L in the streams of Physical Science and Commerce and first intake of 100 students was absorbed in September, 2017. The Faculty of Business is aiming to become a destination of choice for students across Sri Lanka and beyond and it will allow more students to have an immersive and exciting experience at the prestigious University of Moratuwa.

# FACULTY OF BUSINESS



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# DEPARTMENT OF DECISION SCIENCES



At the Department of Decision Sciences, we are committed to helping our students master the core computational and analytical skills required to meet the challenges of today's businesses while enhancing their abilities to engage creatively and successfully in a global environment.

The Decision Sciences Department, currently manages two of the three specializations offered under the Bachelor of Business Science Honours degree: Business Analytics and Financial Analytics, and offers more than 40 undergraduate courses. Through the wide spectrum of courses offered, which focus on the mathematical, statistical and computing skills essential for solving complex business issues, we aim to produce graduates who can move beyond management as usual and use the power of data to drive smart decisions.



# DEPARTMENT OF DECISION SCIENCES



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# DEPARTMENT OF INDUSTRIAL MANAGEMENT



Nurturing future generations of thought leaders, Department of Industrial Management, Faculty of Business stands at the forefront of bringing change to the contemporary needs of the economy. Since its inception in 2017, as one of the main pillars of Faculty of Business, the Department of Industrial Management disseminates knowledge that is fundamental and essential for every undergraduate of University of Moratuwa with rigor and vigor to meet the essentials of modern day businesses.

Liaising diverse stakes of wide-ranging disciplines, Department of Industrial Management serves to both engineering and business faculties of University of Moratuwa. Providing plethora of management related subjects, undergraduates are adequately reinforced to face modern day challenges in the world of business. Encompassing industry required talent with sufficient resources; Department of Industrial Management is profoundly geared to serve its utmost contribution to the betterment of tertiary education in Sri Lanka. Department of Industrial Management also takes the immense pleasure in offering an entrepreneurship minor degree programme for engineering undergraduates. This has been vehemently embraced by many prospective entrepreneurs.



# DEPARTMENT OF INDUSTRIAL MANAGEMENT

## Degree Programmes:

### Undergraduate Programmes

- The department serves management and entrepreneurial modules to both engineering and business faculties.

### Postgraduate Programmes (Research - Full time & Part time)

- MSc
- Mphil
- PhD



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# DEPARTMENT OF MANAGEMENT OF TECHNOLOGY



The Department of Management of Technology (MoT) at University of Moratuwa was founded in 1998 under Faculty of Engineering, to accommodate the increasing demand for the discipline of Technology Management education and training program in Sri Lanka. The Department of MoT is the only academic department in the university system dedicated to cater the Technology Management needs.

The programs of teaching and research in the areas of Business Process and Technology Management offered by the Department of MoT will keep pace with the change. The education received at MOT will empower you with the knowledge, skills, and long-term vision that lead to innovation and growth. The Department of MoT renders its services to many undergraduate programs in the Faculty of Engineering though it has become a part of the Faculty of Business since 2017.

Collaboration is one of our major strengths and values, and as a result we are a key driver of economic growth of Sri Lanka with strong collaborations links with industry and other academic institutions. The department has well recognized experts in the academia and specialized professionals from the business community.



# DEPARTMENT OF MANAGEMENT OF TECHNOLOGY

## Degree Programmes:

### Undergraduate Programmes

- Honours Degree of Bachelor of Business Science in Business Process Management.

In addition, the department offers the Business Process and Technology Management related subjects to the Faculty of Engineering.

### Postgraduate Programmes

- MBA in Management of Technology
- MBA in Entrepreneurship
- Postgraduate Diploma in Management of Technology

### Postgraduate Programmes (Research - Full time & Part time)

- MSc
- Mphil
- PhD



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# FACULTY OF MEDICINE



**U**niversity of Moratuwa Faculty of Medicine, established in February 2020, is the newest addition to the medical schools in the Universities in Sri Lanka and is the only Faculty of Medicine of the country with a Department of Medical Technology which deviating from traditional methods tries to apply science to develop solutions to health problems or issues.

The University of Moratuwa (UoM) started working in Biomedical Engineering research more than 15 years ago collaborating with medical faculties of nearby universities. The UoM also started the first ever Biomedical Engineering undergraduate programme in states universities of Sri Lanka. As a differentiating factor, these strengths and technical expertise of UoM could assist in fostering the development of the medical and its affiliated professions through a high-quality platform for teaching, research & development and allied extension services.

## **Our Vision**

To be the most globally recognized center for excellence in professional health care education in South Asia

## **Our Mission**

To Nurture the development of independently thinking, empathetic, innovative and adaptive healthcare professionals, informed by the state-of-the art developments in healthcare and research and who are committed to lifelong learning.

The Faculty consists of thirteen departments and awards the Bachelor of Medicine and Bachelor of Surgery (MBBS) degree.

- Department of Anatomy
- Department of Biochemistry and Clinical Chemistry
- Department of Physiology
- Department of Pharmacology
- Department of Microbiology and Parasitology
- Department of Community Medicine and Family Medicine
- Department of Pathology and forensic Medicine
- Department of Medicine and Mental Health
- Department of Surgery and Anesthesia
- Department of Obstetrics and Gynecology
- Department of Pediatrics and Neonatology
- Department of Medical Education
- Department of Medical Technology

## **Curriculum**

To nurture the development of medical graduates as specified by the vision and mission statements of the faculty, the MBBS curriculum of the Faculty of Medicine, University of Moratuwa, employs the latest global trends in curriculum design, and innovative methods of

# FACULTY OF MEDICINE

teaching, learning and assessment. Therefore, the curriculum is outcome-based, integrated, iterative and student-centered.

## Teaching Hospitals & Affiliates

The General Hospital, Kalutara is the designated teaching hospital under the affiliated institutes of the Faculty of Medicine, the University of Moratuwa. The clinical teaching is scheduled to commence in the General Hospital, Kalutara in 2023 and the hospital is being upgraded with necessary infrastructure development.



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# FACULTY OF GRADUATE STUDIES



The primary goal of The Faculty of Graduate Studies (FGS) at the University of Moratuwa is to enhance the University's research degree programs. High quality research has become as important as teaching, if not more, to gain better international recognition and competitiveness. Research, being the cornerstone of an academic career, is a key factor in retaining the increasing number of young, high-calibre academic staff the University continues to attract.

The University offers three research degrees, Master of Science (with a major component of research), Master of Philosophy (MPhil.) and Doctor of Philosophy (PhD.) through its Architecture, Engineering and IT faculties. The FGS seeks to enhance these programs through strategies to attract high quality students, to explore new research partnerships and funding opportunities, and to enhance research capacity within the University. The FGS works closely with the Office of Research and the Office of International Relations in these efforts. The Faculty also functions as the institutional level administrative and information center for postgraduate programs.

Research at the University of Moratuwa was given a new lease of life in the late 1990s through the Asian Development Bank's Science and Technology Personnel Development Project. Through this, the University obtained new equipment for research, awarded scholarships to support full-time research students, and offered split-degree programs with foreign universities. Lasting results of this project were the establishment of policies and procedures for research degree programs, and more importantly, planting seeds of a research culture within the University. The FGS has been able to further streamline the administration of research degree candidates to a significant extent, through cooperation with the other Faculties, and with the support of modern ICT tools.

The FGS has also taken several initiatives to set up new frameworks for cooperation with the local industry, foreign universities and academia. As a result, the University is now able to offer joint PhD programs with overseas universities and invite high-calibre academics and industry personnel for short-term assignments. Both these efforts enable our students to experience different research cultures around the world. The FGS also seeks private sector sponsorship for cutting-edge postgraduate research programs. Such sponsorships will not only be an important source of research funding for the University in future, but will also enable our students to engage effectively with industry and thereby directly contribute to the country's economy.

Multidisciplinary approaches to solving real-life problems has become a key research trend globally. In keeping with this trend, the FGS supports seven Multidisciplinary Research Centers. These facilitate synergistic collaboration among different faculties and departments, as well as with other local and foreign universities and industry. The centers cut across and bring together, the entire domain of expertise of the University in different combinations, resulting in diverse domains of research.

The Faculty of Graduate Studies wishes to further strengthen the research culture within the university, to become internationally recognized for research in its disciplines of specialization.

# FACULTY OF GRADUATE STUDIES



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# INSTITUTE OF TECHNOLOGY UNIVERSITY OF MORATUWA



The Institute of Technology University of Moratuwa, the only Institute affiliated to the University of Moratuwa was established in year 2000 primarily to conduct the National Diploma in Technology (NDT) programme.

The ITUM was located within the premises and sharing the facilities of the main University until it was relocated in Diyagama, Homagama in year 2017.

At present ITUM conducts the NDT programme in 10 disciplines namely; Chemical, Civil, Electrical, Electronic & Telecommunication, Marine, Mechanical, Nautical Studies, Polymer, Textile & Clothing and Information Technology.

ITUM academic activities are carried out by the following 08 Divisions;

- Division of Civil Engineering Technology
- Division of Electrical Electronic & Telecommunication
- Engineering Technology
- Division of Interdisciplinary Studies
- Division of Maritime Studies
- Division of Mechanical Engineering Technology
- Division of Polymer and Chemical Engineering Technology
- Division of Textile and Clothing Technology
- Division of Information Technology

The NDT is a 03 year study programme with first 02 years of academic activities at the Institute and the third year at the Industry. The programme is delivered within 06 semesters. The curriculum of the first 02 semesters are designed mainly to equalize, consolidate and improve student's knowledge in basic sciences and to introduce a specialized discipline of study and also to give exposure to some basic skills required in engineering practice. The third and fourth semesters mainly include the application of various engineering phenomena in the selected field of study. The last 02 semesters are allocated for obtaining the required hands- on experience in the industry.

The NDT curriculum has been enhanced by including the two modules, Aesthetic studies and Sports studies during its recent revision to facilitate the total development of students.

Today with the increased intake nearly 1300 students are following the first two years of the study programme within the ITUM supported by well qualified academic staff of around 50 members.


The admission to the NDT programme is done through a unique process. Applications are invited by a public advertisement in the government gazette and the ITUM website. The students from three past consecutive G.C.E Advanced Levels are eligible to apply. Students are selected on the basis of Z-Scores, district / merit quota (as in the case of university admission), and the field selection is done on the marks scored in the aptitude test.


# INSTITUTE OF TECHNOLOGY UNIVERSITY OF MORATUWA



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# FACILITIES AT THE UNIVERSITY

## THE LIBRARY

The library of the University of Moratuwa Is one of the most prominent technology libraries In the country. Its main areas of specialization are engineering, architecture, Information technology and business studies.

The university library serves as the local repository of knowledge, the principal gateway to current information and the scholarly records. The library caters to all categories of students and staff and provides strong support for Instruction and research through collections containing books, journals multimedia and other information resources.



## THE COLLECTION

The library currently has over 130,000 books housed in the lending section, permanent reference section and special collections. The multimedia collection comprises DVD/CDs on various subject areas. Library adds around 2000 new items annually and subscribes to over 18 print and electronic journals. The electronic library has online access to a growing collection of very valuable information including databases, e-theses abstracts, research and conference reports etc.



In addition to the above, library has special collections, namely Diandas collection (related to transport, highways etc). Sri Lanka Collection, Leisure Corner Collection and Research Collection etc.

The collections which are being continuously developed to support teaching and research activities of the faculties, are accessible via the library website [www.lib.mrt.ac.lk](http://www.lib.mrt.ac.lk)

## FACILITIES AVAILABLE FOR STUDENTS AT THE LIBRARY

The library Learning Commons area, Lending section and Periodicals section provide study space for around 1000

students at a time, offering variety of study environments including discussion rooms, zones for reading and quiet studies and individual study spaces. There is also a wide range of research and information services such as circulation of materials, literature and patent searches, reference requests, inter library loans, photocopying, scanning, plagiarism checking and many others. Wi-fi facility is available throughout the building. Further, the students are able to check their library accounts and renew and reserve books online by using Mora Ls, Library Management Software.

Whatever subjects the students choose to study, library look forward to welcoming everyone to the library.





# UNIVERSITY HEALTH CENTRE

The Health Centre provides care to all students and staff of the university. Treatment is free to students during their normal academic sessions as well as during examinations.

All new entrants to the university will have to undergo medical examination. All information obtained during consultations, examinations and treatment is kept confidential.

The comprehensive health care provided by the centre includes a preventive and curative service for physical and psychiatric illness. All students are requested to seek the medical officer's advice early. Immunization against tetanus is also carried out at the centre. On the preventive side, steps are taken to control the spread of infectious and communicable diseases. Routine pathological examinations are being conducted in the laboratory at the health centre.

A day ward and isolation rooms for communicable diseases are available. However there are no in house wards available at the centre.





Consultation hours: 08.00 hrs – 10.45 hrs and 12.15 hrs – 17.30 hrs  
Saturday: 08.30 hrs – 12.30 hrs and 14.00 hrs – 15.30 hrs



# UNIVERSITY SPORTS



Programmes offered by the Physical Education Division promote competitive as well as recreational sports and physical education among the student population. It provides opportunities for students to achieve and maintain their physical fitness and to gainfully spend their leisure time which is very useful for their health. These programmes also seek to foster closer staff student relationships. The division also provides facilities to students to develop their athletic and sports skills locally as well as internationally. At present students can take part in the following categories of sports.



- Athletics (M)
- Athletics (W)
- Badminton (M)
- Badminton (W)
- Baseball (M)
- Basketball (M)
- Basketball (W)
- Carrom (M)
- Carrom (W)
- Chess (M)
- Chess (W)
- Cricket (M)
- Elle (M)
- Elle (W)
- Football (M)
- Hockey (M)
- Hockey (W)
- Karate (M)
- Karate (W)
- Netball (W)
- Rowing (M)
- Rowing (W)
- Road Race (M)
- Rugby Football (M)
- Swimming (M)
- Swimming (W)
- Table Tennis (M)
- Table Tennis (W)
- Taekwondo (M)
- Taekwondo (W)
- Tennis (M)
- Tennis (W)
- Volleyball (M)
- Volleyball (W)
- Weightlifting (M)
- Wrestling (M)





# WELFARE DIVISION

The welfare division provides the following services for both staff and students of the university.

- Payment of bursaries
- Co-ordination of Mahapola Higher Education Scholarships and other scholarships
- Facilitating student counseling services
- Managing canteen facilities
- Co-ordinating the provision of lodging facilities for students
- Issuing applications for concessionary railway season tickets to students
- Facilitating the formation of students' unions and societies
- Facilitating reservation of halls/ places for student activities
- Issuing studentship confirmation letters



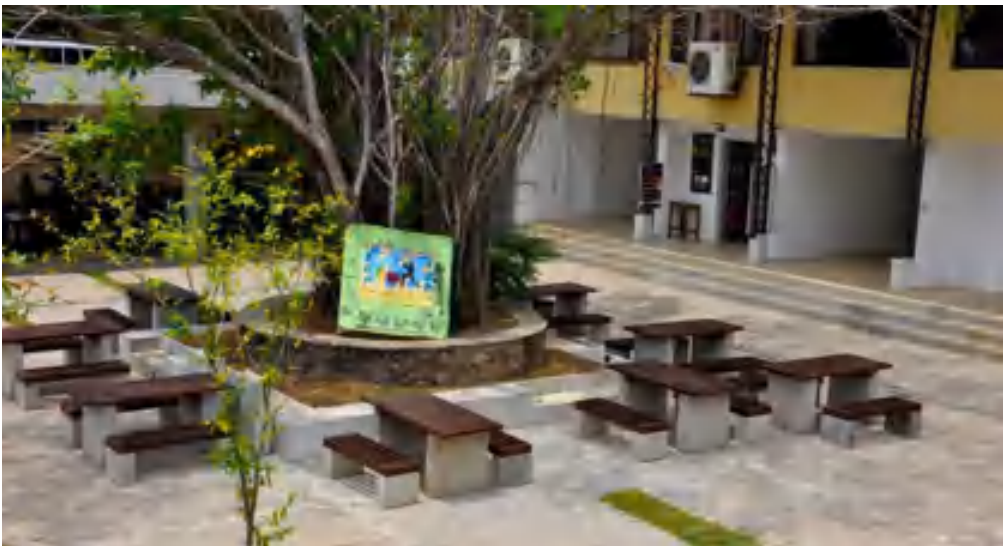


# CAFETERIA AND FOODS CORNER

There are four main canteens and six other sales centers in the university.

- **Canteen (C1)** - located in the new canteen building close to the Old Gymnasium
- **Canteen (C2)** – located in the western wing of Dr. L.H. Sumanadasa Building
- **Canteen (C3)** – at the “L” Block
- **Canteen (C4)** – Hostel Village Canteen
- **Canteen (C5)** – located in the new canteen building close to the Old Gymnasium, upper floor of the **Canteen (C1)**
- **Canteen (C6)** – (Staff Canteen) located in the new canteen building close to the Old Gymnasium, upper floor of the **Canteen (C1)**
- **Canteen (SBS)** – The staff Welfare and Recreation Club operates the Snack Bar (SBS) near the Department of Mechanical Engineering. Refreshments as well as several home needs are available at this Centre
- **Canteen (MBC)** – The Milk Bar
- **Canteen (SBC)** – The sales center at the Civil Engineering Complex (SBC) operated by the Civil Engineering Society for the benefit of students and the staff of the department
- **Canteen (SBC 2)** - The sales center at the Civil Engineering Research (SBC 2) operated by the Civil Engineering Society for the benefit of students and the staff of the department

At these canteens, meals are provided to students and employees at very concessionary rates. The university charges a very nominal rent in order to cover electricity and water expenses. About 4000 consumers are benefited daily by this service.



**Sentra Court**



# STUDENTS

## COUNSELLING UNIT

Students are the most valuable asset of a university. They enter the university with excellent academic credentials and after completing their academic studies they leave the university to become leaders and job creators. It is therefore the responsibility of the university to foster them with care, groom them to have right attitudes and assist them to gain self-confidence, towards helping them to become world-class graduates. In this regard, the Students Counseling Unit of the university plays a vital role. It assists needy students to develop positive attitudes and improve their self-confidence and self-discipline.





# HOSTEL FACILITIES

The aim of the university is to provide hostels for all the students. However with the increasing number of students getting admitted to the University, existing hostel facilities of the university have become insufficient. Therefore, action has already been initiated to construct a new building complex to provide more hostel facilities to students.





Details of the existing hostels for both males and females are given below:

Hostel	Male	Female	Student capacity
Hostel office warden@uom.lk	-	-	-
A	√	-	102
Prof.Patuwathawithana	√	-	256
Hostel village	√	-	432
RahulaMawatha Hostel	√	-	90
Prof. Patuwathawithana Stage II	√	-	308
B	-	√	120
C	-	√	96
Nugape	-	√	564
<b>Total</b>	<b>1270</b>	<b>780</b>	<b>1968</b>



# OTHER COMMON AMENITIES

## WUS STATIONERY SHOP

This is a permanent facility managed by the World University Service (WUS) –Moratuwa Branch. The shop caters for all stationery requirements of the students, staff and also stocks items such as drawing instrument sets and calculators.



## WUS PHOTOCOPY BOOKSHOP

This is a permanent facility managed by the WUS –Moratuwa Branch. The bureau caters for all photocopying and binding needs of the students and staff.



## ROTARACT BOOKSHOP

This is a permanent facility managed by the Rotaract Club. The bookshop sells key text books recommended for different courses. Since the library is unable to stock a large number of copies of books that are in demand, students are encouraged to buy their own books for reference.





# BANKING FACILITY

A branch of the Bank of Ceylon (a state-owned bank) is located in Sentra Court and is open during working days from 08.30 hrs to 15.00 hrs. In addition, two ATM machines of the Bank of Ceylon and the National Savings Bank of Sri Lanka are installed near the main entrance to the University and operate during all twenty four hours.









Gallery







Gallery









Gallery





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