REXTRO

SILVER JUBILEE EXHIBITION

FACULTY OF ENGINEERING | UNIVERSITY OF RUHUNA

13th, 14th & 15th DECEMBER 2025

25 Years of Innovation & Excellence

Faculty of Engineering

University of Ruhuna

REXTRO

SILVER JUBILEE EXHIBITION

FACULTY OF ENGINEERING | UNIVERSITY OF RUHUNA

2000

25 Years of Innovation & Excellence

Faculty of Engineering

University of Ruhuna

FACULTY OF ENGINEERING

UNIVERSITY OF RUHUNA

MESSAGE FROM THE CHIEF GUEST

This message extends heartfelt congratulations on the inauguration of ReXtro 2025, the 25th anniversary engineering exhibition organized by the Faculty of Engineering, University of Ruhuna. It highlights the faculty's journey since admitting its first cohort in March 2000 and its growth into a fully-established academic entity with five departments: Civil and Environmental Engineering, Electrical and Information Engineering, Mechanical and Manufacturing Engineering, Interdisciplinary Studies, and Marine Engineering and Naval Architecture.

The summary emphasizes that the faculty continues to cater effectively to evolving global and national needs, strengthened by full programme accreditation from the Institution of Engineers, Sri Lanka (IESL), which affirms its academic excellence. It also notes the impressive national and international achievements of its undergraduates, not only in engineering but also in humanities, sports, and aesthetic activities, reflecting their holistic development. These accomplishments are attributed to the dedication and commitment of both academic and non-academic staff. The message also expresses gratitude to Dr. Richard Pathirana, the former Minister of Higher Education and the key initiator of this faculty, former Deans, and the present Dean, Prof. Chaminda Karunasena, for their leadership.

The exhibition, scheduled from 13th to 15th December 2025, is presented as an opportunity for the public to observe the creative and innovative work of the students and to appreciate the potential of the Faculty of Engineering, University of Ruhuna.

The message concludes with confidence in the success of the exhibition and warm wishes for the faculty's 25th anniversary celebrations.

Prof. Chrishantha Abeysena

Honorable Minister of Science and Technology

Snr. Prof. P.A. Jayantha

Vice-Chancellor

University of Ruhuna

MESSAGE FROM THE VICE-CHANCELLOR

It is with profound pleasure that I extend my warmest greetings to all contributors to ReXtro 2025 exhibition, organized by the Faculty of Engineering in commemoration of its Silver Jubilee. This significant milestone marks twenty-five years of learning, innovation, and valuable contributions to the development of engineering education in Sri Lanka by the Faculty of Engineering of the University of Ruhuna.

The ReXtro 2025 exhibition undoubtedly presents an impressive collection of undergraduate innovations, projects, and technological solutions, reflecting the knowledge, creativity, and analytical skills developed by the students. This exhibition also serves as an engaging platform, encouraging curiosity and motivating students to pursue studies in science, technology, and engineering.

Moreover, this exhibition plays an important role in strengthening partnerships and improving collaboration between academia and industry. The collaborations of prominent governmental and non-governmental organizations, industrial partners, and the engineering teams of the Sri Lanka Navy and Sri Lanka Air Force create valuable opportunities for research funding, professional training, internships, employment, and long-term institutional partnerships, contributing to the development of a strong professional environment for our engineering graduates.

I extend my best wishes for the success of ReXtro 2025, and I wish to convey my sincere appreciation to the academic and non-academic staff, academic support staff, the undergraduate students, and the esteemed alumni of the Faculty of Engineering for organizing this meaningful and timely initiative.

MESSAGE FROM THE DEAN

It is with immense pride and heartfelt appreciation that I extend this message for ReXtro 2025, the Silver Jubilee Exhibition of the Faculty of Engineering, University of Ruhuna. As we celebrate this significant milestone, we reflect on a journey that began with modest beginnings and has grown into a vibrant, nationally-recognized centre for engineering education, research, and innovation.

Over the past twenty-five years, our faculty has continuously evolved, expanding academic programmes, strengthening research capacity, building state-of-the-art laboratories, and nurturing generations of engineers who now serve with distinction across Sri Lanka and around the world. This Silver Jubilee is not merely a commemoration of years passed; it is a celebration of the collective dedication of our staff, students, alumni, and well-wishers who have shaped our identity and propelled our progress.

ReXtro 2025 embodies the essence of this journey. Curated and organized by our students with the guidance of the academic and non-academic staff, this exhibition provides a platform for showcasing engineering creativity, research outcomes, technological innovations, and community-oriented solutions. It highlights not only technical competence but also the teamwork, leadership, and problem-solving skills that define our students and staff, and set our faculty apart. It allows us to revisit our roots, appreciate the strides we have made, and envision the future we aspire to build. It also provides a timely opportunity for school students, industry partners, alumni, and the general public to engage with the latest engineering practices and to experience the spirit of innovation that drives us.

I extend my sincere gratitude to everyone who contributed to making ReXtro 2025 a reality, particularly the main organizing committee, students' union, academic departments, administrative staff, sponsors, and alumni, whose support continues to strengthen our mission. Your commitment exemplifies the collaborative ethos that has defined the faculty for twenty-five years.

As we look ahead, I am confident that the Faculty of Engineering, University of Ruhuna, will continue to inspire excellence, cultivate innovation, and shape the future of engineering education in Sri Lanka. I warmly welcome you all to ReXtro 2025 and wish you an enriching and memorable experience.

Prof. Chaminda Karunasena

Dean

Faculty of Engineering

University of Ruhuna

Prof. T.N. Wickramaarachchi

Head

Department of Civil and

Environmental Engineering

MESSAGE FROM THE HEAD, DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

It gives me great pleasure to extend this message of felicitation on the occasion of the 25th anniversary celebrations of the Faculty of Engineering, University of Ruhuna.

Since its inception, the Department of Civil and Environmental Engineering has been committed to producing competent engineers who are prepared to meet the changing needs of the country and the world. The department is organized into four main subdivisions: Building and Structural Engineering, Geotechnical and Geo-Environmental Engineering, Infrastructure Development and Management, and Water and Environmental Engineering, through which we offer a comprehensive and well-structured academic experience. Our curriculum is aligned with the Outcome-Based Education (OBE) framework of the Washington Accord, under which our engineering degree programme is accredited by the Institution of Engineers, Sri Lanka (IESL).

Over the years, our graduates have made valuable contributions in many fields, from infrastructure development to environmental protection, reflecting the strong academic foundation and professional values fostered within the department. As we celebrate this anniversary, we take this moment to reflect on our achievements, appreciate the dedication of our academic and non-academic staff, and recognize the enthusiasm and commitment of our students. It also reminds us of the importance of strengthening our collaborations with industry and international partners as we strive to further enhance research and promote sustainable engineering practices.

On behalf of the Department of Civil and Environmental Engineering, I extend my sincere congratulations to the entire faculty community and express profound gratitude to all stakeholders who have contributed to our progress. It is my earnest wish that the coming 25 years will bring further excellence to the Faculty of Engineering.

MESSAGE FROM THE HEAD, DEPARTMENT OF ELECTRICAL AND INFORMATION ENGINEERING

It is with great pride and heartfelt appreciation that I extend this message to mark ReXtro 2025 - the Silver Jubilee Exhibition of the Faculty of Engineering, University of Ruhuna. This milestone reflects a remarkable journey shaped by the collective dedication of our academic, academic-support, non-academic staff, students, alumni, industry partners, and the wider community.

As the Head of the Department of Electrical and Information Engineering (DEIE) and a proud alumnus, this occasion holds special significance for me. Over the past twenty-five years, the faculty has grown into a dynamic centre of teaching, research, and innovation, producing engineers who excel in industry, academia, research, and entrepreneurship, both locally and internationally. Our DEIE graduates, in particular, continue to support and strengthen the faculty by mentoring students, collaborating on projects and research, and contributing their professional expertise to the field.

The Silver Jubilee Exhibition offers an important platform for students to demonstrate their creativity, technical competence, and commitment to addressing real-world challenges. Such experiences strengthen their confidence, broaden their perspectives, and nurture the innovative spirit that defines the DEIE community.

I extend my sincere gratitude to all who have contributed to making this exhibition a reality. As we celebrate this significant milestone, may it inspire the next generation of engineers to pursue new knowledge, challenge boundaries, and contribute meaningfully to the progress of our nation.

I wish ReXtro 2025 - the Silver Jubilee Exhibition every success and trust that it will stand as a proud landmark in the history of our faculty.

Dr. Chatura Seneviratne

Head

Department of Electrical and Information Engineering

Dr. A.W.B.I. Annasiwaththa

Head

Department of Mechanical and Manufacturing Engineering

MESSAGE FROM THE HEAD, DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING

It is with great pleasure that I am sending this message to the souvenir issued to mark the "25th Anniversary Celebration, ReXtro 2025" of the Faculty of Engineering, University of Ruhuna. The Department of Mechanical and Manufacturing Engineering was established in 1999 with the inception of the Faculty of Engineering as the third conventional engineering faculty in Sri Lanka. The department commenced its Mechanical and Manufacturing Engineering degree programme on 27th March 2000 in parallel with the other two degree programmes in the faculty. During the last 25 years, the visionary and committed academic leadership of the faculty, and dedication and devotion of the dynamic and resourceful staff of the department have contributed immensely to uplift the quality of our graduates to a level that is to be expected by the community.

The department is prepared to become one of the leading departments among engineering faculties in Sri Lanka. Therefore, the department's main educational goal is to produce high-quality engineers, who should be able to hold responsible positions at a higher level in the profession, possessing the wisdom to recognize their limitations in the phase of new developments and the learning and personal management skills to benefit from continuing professional development.

The emerging industries look for Mechanical and Manufacturing Engineering graduates with sound knowledge in fundamentals of traditional, modern and emerging areas of engineering together with innovative design abilities, managerial skills and soft skills. As such the study programme of Mechanical and Manufacturing Engineering has been revised frequently, considering the requirements of the industry.

The events organized by the students to mark the 25th anniversary, would be a showcase to display their achievements in the past 25 years. I shall take this opportunity to thank all students for their great support, staff and others for their guidance and assistance, and industries and organizations which responded positively by agreeing to participate in the events to make the events of the 25th anniversary a success.

I wish every success to the 25th anniversary celebrations of ReXtro 2025.

MESSAGE FROM THE HEAD, DEPARTMENT OF MARINE ENGINEERING AND NAVAL ARCHITECTURE

It is with great pleasure that I extend this message for the souvenir issued to mark the 25th anniversary celebrations of ReXtro 2025 of the Faculty of Engineering, University of Ruhuna. The Faculty of Engineering, University of Ruhuna, is offering the BSc Engineering Honours Degree in Marine Engineering and Naval Architecture for the first time within the government university system under the UGC umbrella. The degree programme commenced in March 2022 as a specialization, and a fully-fledged Department of Marine Engineering and Naval Architecture was formally established and gazetted in November 2022. Recognizing the future human resource requirements and emerging trends in Sri Lanka's maritime sector, the national budget allocated nearly LKR 1 billion to establish this department with state-of-the-art laboratory facilities.

The department is committed to providing high-quality education and training in marine engineering, naval architecture, and maritime safety, while contributing to the advancement of knowledge through research, innovation, and the development of new technologies.

Our degree programme comprises both theoretical and professional modules conducted by qualified academics and experienced professionals from the maritime industry. It has been designed to comply with the standards and requirements of the International Maritime Organization (IMO) and the Merchant Shipping Secretariat (MSS). Furthermore, the department has obtained approval from the Director General of Merchant Shipping (DGMS), Ministry of Ports and Shipping, as a recognized Maritime Training Institute to conduct maritime courses. This programme offers a pathway to obtain a recognized hybrid degree in Marine Engineering and Naval Architecture from a reputed national university, enabling students to pursue careers as Marine Engineers in the merchant shipping and shipbuilding sectors.

The events organized by our students and staff to celebrate the 25th anniversary of the faculty will showcase the achievements, talents, and capabilities of our marine engineering students. I take this opportunity to extend my sincere appreciation to all students for their enthusiasm and dedication, to the academic and non-academic staff for their continuous guidance and support, and to the industries and organizations that generously contributed through sponsorships and participation, helping make the 25th anniversary celebrations a success.

I wish the ReXtro 2025 anniversary celebrations every success.

Dr. Sumith Baduge

Head

Department of Marine Engineering and Naval Architecture

Dr. N.M. Wagarachchi

Head
Department of Interdisciplinary Studies

MESSAGE FROM THE HEAD, DEPARTMENT OF INTERDISCIPLINARY STUDIES

It is with great pride and heartfelt appreciation that I forward this message as the Faculty of Engineering celebrates its 25th anniversary. Having witnessed the humble yet inspiring beginnings of the faculty since its establishment on 1st July 1999, I consider it a privilege to reflect on its remarkable journey.

The Department of Interdisciplinary Studies, the first of its kind in Sri Lanka, was founded together with the other three engineering departments on the same day. Since then, this department has played a vital and distinctive role within the faculty. While the engineering disciplines focus on developing technically competent engineers, the Department of Interdisciplinary Studies is entrusted with shaping well-rounded individuals who excel not only in knowledge but also in character, communication, leadership, and values.

Our mission has never been merely to support the production of good engineers, but to nurture excellent engineers. We do this by offering a rich blend of modules common to all engineering undergraduates, such as Mathematics, Management, Communication and Engineering Ethics. Beyond academic competencies, we strive to cultivate emotional intelligence through modules such as Mindfulness and to encourage creativity and aesthetic appreciation through Music, Dancing, and Painting. Furthermore, group activities, workshops, and technical talks organized by the department play a key role in strengthening students' soft skills and preparing them for the challenges of the professional world.

As we celebrate this silver jubilee, the faculty proudly presents "ReXtro 2025", an exhibition that showcases the knowledge, skills, and values imparted across all departments. Through the exhibits presented by the Department of Interdisciplinary Studies, we aim to demonstrate not only what our students learn, but also how their learning contributes meaningfully to society.

I extend my warmest wishes for the success of ReXtro 2025, and for the Faculty of Engineering's continued excellence and prosperity in the years ahead.

MESSAGE FROM THE THE CO-CHAIRMAN, REXTRO 2025

On this momentous occasion of the 25th anniversary of our Faculty of Engineering, University of Ruhuna, it is with immense pride and joy that we present this engineering exhibition. This event is more than a celebration; it is a vibrant testament to a quarter-century of dedication, ingenuity, and academic excellence.

For 25 years, our faculty has been a crucible where theoretical knowledge is forged into practical solutions. We have nurtured generations of engineers who have gone on to shape industries and contribute to the nation's development. This exhibition is a living snapshot of that ongoing journey. The projects on display, born from the brilliant minds of our students and the dedicated guidance of our staff, showcase the innovative spirit that defines us.

As Co-Chair of this landmark event, I extend my deepest gratitude to our dedicated academic and non-academic staff, whose unwavering commitment is the bedrock of our success. My sincere appreciation goes to our enthusiastic students, the lifeblood of this faculty, whose hard work and creativity are the centrepiece of today's exhibition. A special note of thanks to our supportive alumni, committee members, volunteers, and sponsors – this celebration would not be possible without your collective effort.

As we reflect on our illustrious past, let this anniversary also be a springboard for the future. Let us recommit to pushing the boundaries of engineering, to solving the complex challenges of our time, and to building a more sustainable and technologically advanced Sri Lanka.

Here's to the next 25 years of excellence, innovation, and engineering leadership!

Dr. P.D. Chandana Perera

Co-Chairman

ReXtro 2025

Silver Jubilee Exhibition

Mr. Prasad Abeysinghe

President

Engineering Faculty Students' Union

MESSAGE FROM THE PRESIDENT, ENGINEERING FACULTY STUDENTS' UNION

It is with great pride that I deliver this message on behalf of the Engineering Faculty Students' Union as we celebrate a remarkable milestone-25 years of excellence, unity, and innovation at the Faculty of Engineering, University of Ruhuna.

Since its establishment, our Student Union has been shaped by the dedication, vision, and unwavering efforts of many leaders. I respectfully acknowledge Mr. S. Usgodarachchi, the first president of the Engineering Faculty Students' Union, whose commitment laid a strong foundation for the vibrant and active union we have today. Over the past quarter-century, the union has been continuously strengthened by the passion and leadership of its successors, guiding the student body forward with integrity and purpose.

As we look back on this proud history, our faculty stands tall with achievements that extend across academics, sports, arts, and numerous other spheres. Our students have demonstrated excellence not only through academic accomplishments but also through outstanding performances in Faculty Meets, Sri Lanka University Games (SLUG), and other sporting arenas. In the sphere of arts and cultural activities, events like Thambarawila have showcased the creativity and talent that define our student community.

A significant milestone in our journey is the 10-year celebration of eFOR 2010, held during the term of Former President Mr. T.M.J.P. Thennakoon, marking an important chapter in our faculty's tradition of innovation. Today, as we step into our 25th year, we are inspired by the legacy behind us and motivated by the possibilities ahead. Among the exciting milestones to come is ReXtro 2025, the largest engineering exhibition organized by our faculty. This landmark event reflects our commitment to fostering innovation, technical excellence, and public engagement. We look forward to presenting the skills, creativity, and engineering spirit of our students to the nation.

With gratitude for the past and confidence in the future, I wish to reaffirm our union's dedication to serving the student community and uplifting the Faculty of Engineering to even greater heights.

MESSAGE FROM THE THE MAIN ORGANIZER, REXTRO 2025

When we first set out to bring ReXtro 2025 to life, our faculty's outreach was limited, and our bond with the alumni community was not as strong as it should have been. Over the past few months, we have worked with one vision to change that. Today, we stand together. The students, academic and non-academic staff, alumni, and industry partners are moving forward with one shared purpose: celebrating 25 years of Ruhuna Engineering Excellence.

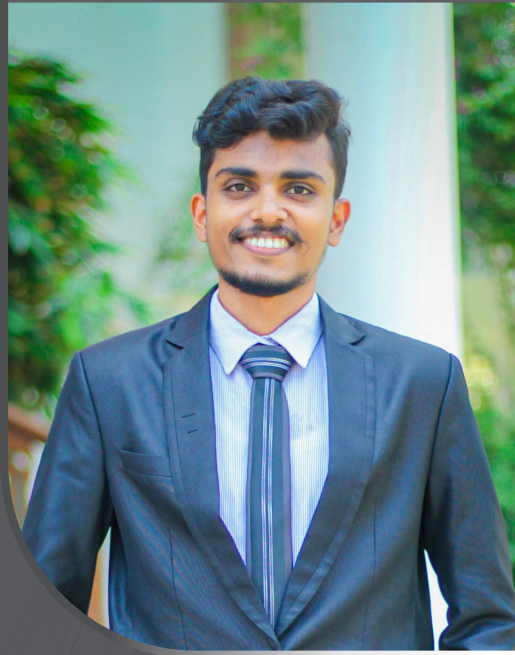
This exhibition marks a defining milestone for our faculty. It is not the final chapter of our story, but the beginning of a new one. ReXtro 2025 is our chance to showcase the talent, determination, and creativity of our students, and to demonstrate how we face challenges and rise together as one family.

With the trust, support, and encouragement of our entire community, we are stepping into an engineering exhibition that is set to become one of the most significant in our history. Though this is our Silver Jubilee, the memories we create on this journey will remain golden for the rest of our lives.

The transformation we have witnessed, how the entire faculty aligned around one objective and how we uplifted our institution, marks the beginning of a long journey toward making our faculty a globally recognized centre of innovation and engineering excellence, emerging proudly from the rural, beautiful village of Hapugala.

I extend my heartfelt gratitude to my parents, my batchmates, all senior and junior students, the faculty staff, and our alumni for believing in this initiative and for contributing their strength to this shared mission.

I hope our younger brothers and sisters will carry this legacy forward, reach even greater heights, and proudly guide our faculty toward a global future. As siblings, as one family, we look forward to the years ahead with our faculty.



Mr. Kavishka Kalhara

Main Organizer

ReXtro 2025

Silver Jubilee Exhibition

25 Years of Innovation & Excellence

Faculty of Engineering

University of Ruhuna

REXTRO

UNIVERSITY OF RUHUNA

The University of Ruhuna was established in 1978, fulfilling a long-felt need of the southern region of Sri Lanka. It is a public university in Matara and the only university serving the country's Southern Province. It was created by special presidential decree on 1st September 1978 as Ruhuna University College, addressing the region's long-awaited aspiration for expanded higher education opportunities. It opened the same year in Matara under the patronage of Prime Minister J. R. Jayawardene with four initial faculties: Agriculture, Science, Humanities and Social Sciences, and Medicine. The college was formally inaugurated in late 1978, and in 1984 it moved to its new Wellamadama campus and was elevated to full university status. Today, Ruhuna stands as Sri Lanka's sixth-oldest university, comprising ten faculties and fifty nine departments across Matara and Galle, offering a wide range of undergraduate and graduate programmes.

INAUGURATION OF THE FACULTY OF ENGINEERING

FACULTY OF ENGINEERING

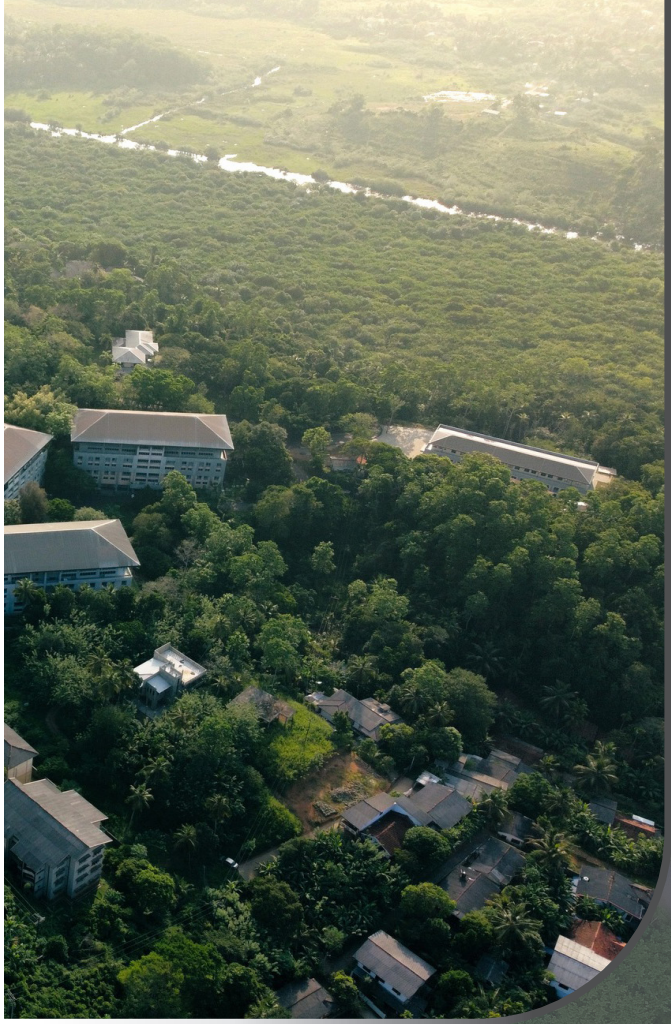
With the dawn of the new millennium, the Faculty of Engineering at the University of Ruhuna was officially established on 1st July 1999, marking a significant milestone in the expansion of engineering education in the Southern Province. The faculty welcomed its first student intake on 27th March 2000, beginning a new era of academic excellence and technological advancement. This milestone strengthened the nation's capacity for advanced technical learning and positioned Ruhuna as a rising centre for engineering excellence.

As the third conventional engineering faculty in Sri Lanka, alongside the University of Peradeniya and the University of Moratuwa, Ruhuna has continued to grow steadily over the past 25 years. With this addition, the University of Ruhuna has become one of the leading universities in Sri Lanka with facilities for higher learning in five major areas, namely Agriculture, Arts, Medicine, Science, and Engineering.

LOCATION

FACULTY OF ENGINEERING

A defining strength of the University of Ruhuna is its regional footprint across the Southern Province, with centres in both Galle and Matara, and a total of ten faculties spread across multiple locations. The Faculty of Engineering is nestled on a serene wooded hillock in Hapugala, Galle, overlooking the Gin Ganga Basin, a peaceful setting far from city noise, ideal for focused academic work, creativity, and innovation. With this decentralised model, the University of Ruhuna not only nurtures a calm learning environment but also plays a strategic role in the development and upliftment of the Southern Province.



VISION AND MISSION

FACULTY OF ENGINEERING

VISION

To be the centre of excellence in Engineering Education and research of the nation

MISSION

To create opportunities for the benefit of the society in Engineering and Applied Technologies through education, research and associated services

FACULTY OF ENGINEERING

The proposal for a new Faculty of Engineering at the University of Ruhuna was initiated by Dr. Richard Pathirana, Hon. Minister of Education and Higher Education. He not only identified the land for the new faculty but also facilitated the mobilization of resources for its establishment and took the time to monitor the project's progress through frequent site visits.

The Vice-Chancellor, Prof. S. Pinnaduwage, and Dr. H. H. J. Keerthisena, Coordinator of the Faculty of Engineering, University of Ruhuna, worked with dedication and commitment to ensure the project's success.

FACULTY OF ENGINEERING

OPENING CEREMONY

On 1st July 1999, at the opening ceremony of the guest house, the Faculty of Engineering was formally established, marking a significant milestone in the development of engineering education at the University of Ruhuna. On this occasion, the following dignitaries and lecturers officially joined the newly-founded faculty, strengthening its academic foundation and contributing to its early growth.

Dr. Richard Pathirana (Minister of Education & Higher Education)
Prof. S. Pinnaduwage (Vice-Chancellor)
Dr. H.H.J. Keerthisena (Acting Dean)
Dr. P.P. Gunaratna (Acting Head - DCEE)
Dr. A.K. Somasundaraswaran (Acting Head - DEIE)
and the staff from University of Moratuwa, University of Peradeniya, The Open University of Sri Lanka, and industry.

Lecturers

Mr. M.S. de Silva
Ms. W.P. Lokuge
Ms. N.M. Wagarachchi
Mr. Lalith Wickramarathna
Mr. H.P. Sooriyaarachchi

OPENING OF THE NEW BUILDING COMPLEX

FACULTY OF ENGINEERING

The foundation stone for the construction of the faculty building complex was laid at a ceremony held on 20th October 1996, at Hapugala, Galle, by Late Dr. Richard Pathirana (Hon. Minister of Education and Higher Education) and Dr. W.A. Wiswa Warnapala (Hon. Deputy Minister of Higher Education). Furthermore, several other ministers also participated in this ceremony.

The building complex of the newly constructed Faculty of Engineering of the University of Ruhuna was ceremonially declared open by Late Dr. Richard Pathirana on 28th January 2000.

INAUGURATION OF THE FIRST BATCH

FACULTY OF ENGINEERING

The opening ceremony of the Faculty of Engineering which included the intake of the first batch of students was held on 27th March 2000 with the participation of the following personnel:

Prof. S. Pinnaduwage (Vice-Chancellor)
Dr. H.H.J. Keerthisena (Acting Dean)
Dr. P.P. Gunaratna (Acting Head - DCEE)
Dr. A.K. Somasundaraswaran (Acting Head - DEIE)
Dr. S.J. Athukoralage (Acting Head - DMME)
Prof. Raja de Alwis (Acting Head - DIS)

Lecturers

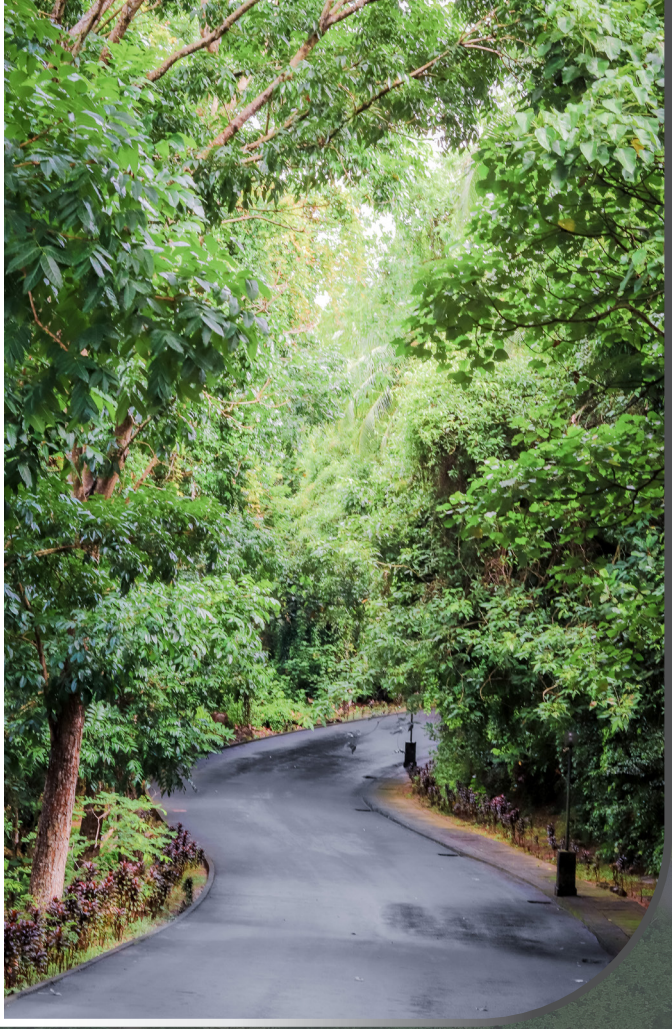
Mr. A.K.P. Viraj
Mr. H.P. Sooriyaarachchi
Ms. K.K.K. Sylva
Ms. N.M. Wagarachchi
Mr. T.L.S. Wijesinghe
Ms. W.P. Lokuge
Mr. M.S. de Silva

Mrs. A.K.D. Karunaratna (Senior Assistant Registrar)
Mr. A. Gunathilake (Assistant Bursar)
Mr. W. Rupasinghe and the staff from the English Language Teaching Unit
Consultants from other Universities

FACULTY OF ENGINEERING

Over the past 25 years, the Faculty of Engineering at the University of Ruhuna has grown impressively in scale, reputation, and academic strength. From its modest beginning on 27th March 2000 with an intake of 100 students and four departments, Civil and Environmental Engineering, Electrical and Information Engineering, Mechanical and Manufacturing Engineering, and Interdisciplinary Studies, it has steadily expanded its academic offerings. In 2020, the Department of Marine Engineering and Naval Architecture was introduced, followed by the Computer Engineering degree programme in 2021.

Today, the faculty offers five distinct degree programmes: Civil and Environmental Engineering, Electrical and Information Engineering, Mechanical and Manufacturing Engineering, Marine Engineering and Naval Architecture, and Computer Engineering, several of which hold international accreditation. The annual intake has now grown to approximately 545 students. With the second-largest engineering intake in Sri Lanka and over 3,400 graduates to date, the Faculty of Engineering at the University of Ruhuna continues to drive technological innovation and national development.



JOURNEY THROUGH 25 YEARS

FACULTY OF ENGINEERING

FORMER DEANS OF THE FACULTY

Dr. H. H. J. Keerthisena
Founding Dean, Senior Lecturer
Ph.D. (Peradeniya),
B.Sc. Eng. (Hons) (Ceylon),
C.Eng. FIE (SL),IntPE(SL)
2000 - 2002

Prof. Lakshman Jayathilaka
Former Dean, Emeritus Professor
Ph.D. (Lond) ,
B.Sc. Eng. (Hons) (Ceylon),
DIC, C.Eng ,FIESL, JP
2002 - 2003

Prof. Kithsiri M. Liyanage
Former Dean, Professor
Ph.D. , M.Sc. Electrical Engineering
(Tokyo)
B.Sc. Eng. (Peradeniya)
2003 - 2006

Prof. Nayana Alagiyawanna
Former Dean,
Former Deputy Vice-Chancellor
D.Eng. (Nagaoka), M.Eng. (AIT),
B.Sc. Eng. (Hons) (Moratuwa),
C.Eng , MIE(SL)
2007 - 2012

FACULTY OF ENGINEERING

FORMER DEANS OF THE FACULTY

Dr. P.D. Chandana Perera
Former Dean, Senior Lecturer
Ph.D. (Denmark),
B.Sc. (China),
C.Eng , MIE(SL), Member IEEE
2013 - 2018

Dr. H.P. Sooriyaarachchi
Former Dean, Senior Lecturer
Ph.D. (Sheffield,UK), M.Eng. (Tokyo),
B.Sc. Eng. (Hons) (Moratuwa),
C.Eng , MIE(SL)
2019 - 2021

Dr. H. Chithral Ambawatte
Former Dean, Senior Lecturer
Ph.D. (Russia), M.Sc. (Russia),
MSAE (Japan),
FISITA (UK),
FIAESL, MSLEMA, MASASL, MSLAAS.
2022 - 2024

FACULTY OF ENGINEERING

INFRASTRUCTURE FACILITIES

Modern academic complexes with well-equipped lecture theatres, advanced computing facilities, and a dedicated engineering library form the core of the faculty's educational environment. Specialized laboratories in Civil and Environmental Engineering, Electrical and Information Engineering, Mechanical and Manufacturing Engineering, and Interdisciplinary Studies offer hands-on learning and research opportunities for every engineering discipline. The modern Department of Marine Engineering and Naval Architecture in Megalle, situated close to the Galle Harbour, features advanced marine engineering and naval architecture laboratories, complete with marine simulators, design studios, and specialized training facilities. Within the faculty, student life is supported by comfortable on-site hostels, a student centre with dining, music room, medical centre, and fitness spaces, and a fully developed sports complex with indoor and outdoor courts and fields. Additional amenities such as staff residences, a guest house, internal road networks, and the upcoming seven-storey Computer Engineering complex further strengthen the faculty's infrastructure, reflecting its continuous growth and excellence.

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

INTRODUCTION

B.Sc. Eng. (Hons) in Civil and Environmental Engineering

The B.Sc. Eng. (Hons) in Civil and Environmental Engineering at the Faculty of Engineering, University of Ruhuna, is proudly accredited under the IESL Washington Accord, reflecting its global recognition and academic excellence. Introduced with a revised curriculum in 2023, this multidisciplinary degree equips undergraduates with strong foundations in Structural Engineering, Geotechnical and Geo-environmental Engineering, Infrastructure Development and Management, and Water and Environmental Engineering. Each year, 125 students are selected, who learn under a highly experienced academic team.

VISION AND MISSION

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

VISION

To become an outstanding, well-recognized academic centre of excellence in Civil and Environmental Engineering in the country and beyond

MISSION

To produce highly-skilled, dedicated and knowledgeable Civil and Environmental Engineers who will excel in their chosen careers

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

HEAD OF THE DEPARTMENT:

Prof. T.N. Wickramaarachchi

CHAIR PROFESSOR:

Prof. Sudhira De Silva

PROFESSORS:

Prof. G.H.M.J. Subashi De Silva

Prof. G.G. Tushara Chaminda

Prof. K.S. Wanniarachchi

Prof. N.H. Priyankara

Prof. Champika Ellawala

Prof. W.M.K.R.T.W. Bandara

Prof. W.K.C. Neetha Dayanthi

Prof. J.M.R.S. Appuhamy

Prof. S.N. Malkanthi

ACADEMIC STAFF

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

SENIOR LECTURERS:

Dr. H.P. Sooriyaarachchi

Dr. Terrance M. Rengarasu

Dr. B.M.L.A. Basnayake

Dr. S.W. Seneviratne

Dr. H.V.A. Nuwan Sanjeewa

LECTURERS:

Dr. H.G. Sushan Mayuranga

Eng. T.H. Thenushi Nimanthika Premanath

Eng. R.N. Ishara Navindi

Eng. M.M.L. Pemachandra

Eng. A. Kalansuriya (Temporary)

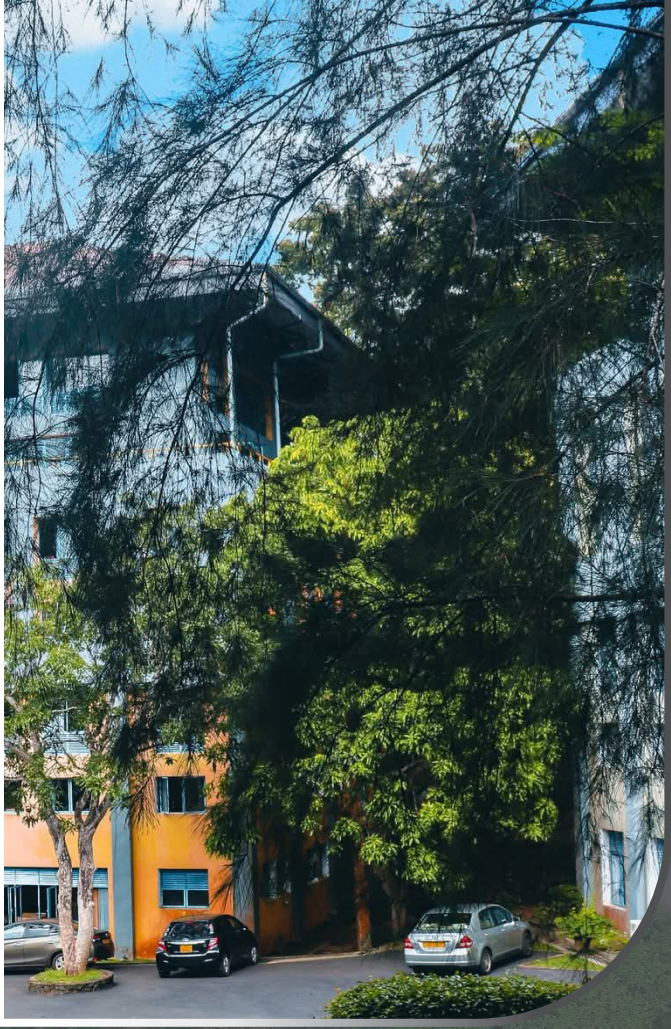
DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

AREAS COVERED

The curriculum offered by the Department of Civil and Environmental Engineering (DCEE) includes a set of modules undergoing frequent upgrades that cater to the emerging requirements of the state-of-the-art technology. The curriculum is designed to comply with the Outcome-Based Education (OBE) methods stipulated in the Washington Accord, based on which an engineering degree is accredited by the Institution of Engineers, Sri Lanka (IESL).

Main Subdivisions:

1. Building and Structural Engineering
2. Geotechnical and Geo-environmental Engineering
3. Water and Environmental Engineering
4. Infrastructure Development and Management



DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

FACILITIES

The department is housed within a three-storey building containing the following six laboratories:

1. Building Materials and Construction Laboratory
2. Geotechnical Engineering Laboratory
3. Structural Mechanics Laboratory
4. Transportation and Surveying Laboratory
5. Hydraulics and Coastal Engineering Laboratory
6. Environmental Engineering Laboratory

These laboratories are well-equipped to cater to the undergraduate programme as well as provide services for industry and testing facilities for organizations.

INTRODUCTION

DEPARTMENT OF ELECTRICAL AND INFORMATION ENGINEERING

The Department of Electrical and Information Engineering (DEIE) commenced its academic activities on 27th March 2000 and has since grown into a leading centre of engineering education. With advanced laboratories and dedicated academic staff, DEIE equips students with the technical expertise and innovative mindset needed to thrive in today's rapidly evolving technological landscape.

The department currently offers two degree programmes: B.Sc.Eng. (Hons) in Electrical and Information Engineering and B.Sc.Eng. (Hons) in Computer Engineering, both designed to produce highly skilled, industry-ready engineers capable of contributing to national and global advancement.

DEPARTMENT OF ELECTRICAL AND INFORMATION ENGINEERING

INTRODUCTION

B.Sc. Eng. (Hons) in Electrical and Information Engineering

Internationally accredited by the Washington Accord signatory IESL, this globally recognized programme provides a strong multidisciplinary foundation in Electrical Engineering, Electronics, Telecommunication and Network Engineering, and Software Engineering. With an annual intake of 75 students, it remains the most in-demand programme in the faculty. The revised 2023 curriculum ensures graduates are industry-ready and equipped with essential technical and professional skills.

INTRODUCTION

DEPARTMENT OF ELECTRICAL AND INFORMATION ENGINEERING

B.Sc.Eng. (Hons) in Computer Engineering

Introduced in 2021 and with the curriculum revised and enhanced in 2023, this programme equips students for the fast-evolving digital world. It offers comprehensive training in Software Engineering, Machine Learning, Data Science, Cybersecurity, Networking, and Electronics and Embedded Systems. With an annual intake of 200 students, it emphasizes practical, industry-oriented projects that develop creativity, problem-solving ability, and real-world engineering expertise.

VISION AND MISSION

DEPARTMENT OF ELECTRICAL AND INFORMATION ENGINEERING

VISION

To be a remarkable centre of excellence in education and research in the area of Electrical, Electronic, Telecommunication and Information Engineering by preserving the National and International reputation for the scholastic virtues

MISSION

To produce globally recognized diligent graduates who are endowed with technical, innovative, analytical, articulate, intellectual, leadership and entrepreneurship skills while having enriched qualities of dedication, adaptability, and responsibility on top of possessing passion on self learning and strive for challenges

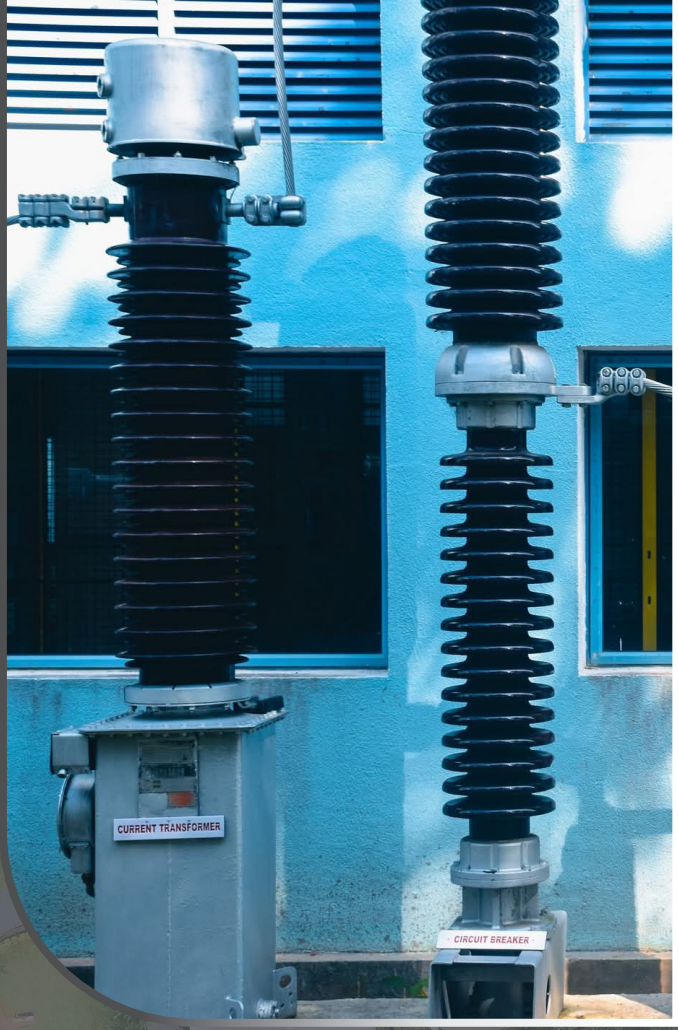
DEPARTMENT OF ELECTRICAL AND INFORMATION ENGINEERING

HEAD OF THE DEPARTMENT:

Dr. C.K.W. Seneviratne
(Senior Lecturer)

SENIOR LECTURERS:

Dr. P.D.C. Perera
Dr. S.H.K.K. Gunawickrama
Dr. M.R. Udawalpola
Eng. D.S. De Silva
Eng. E.H. Jayathunga
Dr. K.M.I.U. Ranaweera
Dr. T.N. Weerasinghe
Dr. K.L. Kushan Sudheera
Dr. G.G.N. Sandamali
Dr. W.N.B.A.G. Priyankara
Dr. K.M.S.Y. Konara
Dr. W.P. Prabath Kumara
Dr. T.D. Gamage (On Contract)
Dr. S.H. Gunawardena (On Contract)
Dr. L.K.G. Liyanage (On Contract)



DEPARTMENT OF ELECTRICAL AND INFORMATION ENGINEERING

ACADEMIC STAFF

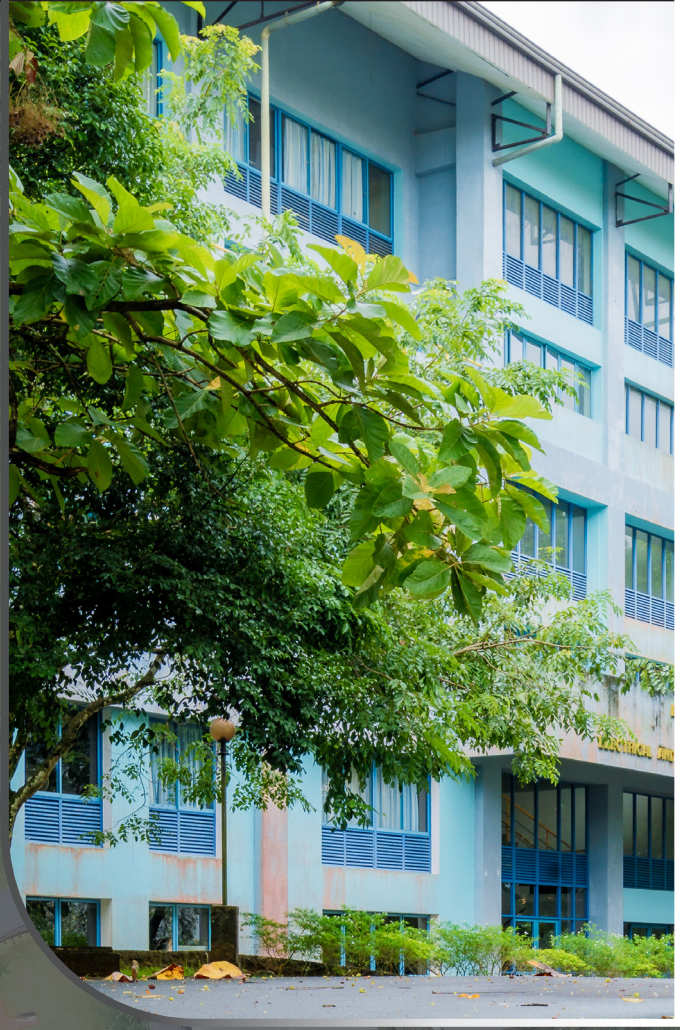
LECTURERS:

Eng. P.A.D.S.N. Wijesekara (Probationary)
Eng. A.S. Mudalige (Probationary)
Dr. G.W.K.N. Udayanga (Probationary)
Ms. G.C.W. Thilakarathne (Probationary)
Eng. S.M.T.M. Silva (Probationary)
Mr. I.G.P.N. Karunasena (Probationary)
Ms. O.G.Y.N. Gamlath (Probationary)
Eng. R. Saahith Ahamed (Probationary)
Mr. G.H.H. Witharana (Probationary)
Eng. N.H. Gamage (Probationary)
Ms. M.S. Madhubhashini (Probationary)
Ms. M.F.F. Nuha (Probationary)
Eng. H.L.Y. Ruhunage (On Contract)
Eng. W.M.A.T. Sankalpa (On Contract)
Eng. S. Pavithran (On Contract)
Eng. D.T.B.C.S.B. Dissanayake (On Contract)
Eng. W.G. Rangana (On Contract)

DEPARTMENT OF ELECTRICAL AND INFORMATION ENGINEERING

AREAS COVERED

The Department of Electrical and Information Engineering (DEIE) offers an Electrical and Information Engineering specialization and Computer Engineering specialization featuring a rapidly evolving curriculum. The programme utilizes compulsory core modules to establish fundamental engineering knowledge and practical skills across Electrical, Electronic, Telecommunication, and Information Engineering. Elective modules are regularly updated to address cutting-edge technologies and industry advancements. Similarly, the Computer Engineering stream includes core modules that build strong foundations in Software Engineering, Computer Architecture, Machine Learning, Data Science, Cybersecurity, Networking, and Embedded Systems.The entire curriculum is structured using the Outcome-Based Education (OBE) system, which complies with the Washington Accord guidelines, thereby ensuring the engineering degree receives accreditation from the Institution of Engineers, Sri Lanka (IESL).



DEPARTMENT OF ELECTRICAL AND INFORMATION ENGINEERING

DEIE has well-qualified academic staff to teach the modules related to the area of Electrical and Information Engineering.

Most of the modules include laboratory sessions. Therefore, students can obtain practical knowledge in addition to the theoretical knowledge obtained through the lectures. The DEIE facilitates the following laboratories to conduct laboratory sessions for students.

FACILITIES

- Electrical Machines and Power Electronics Laboratory
- Power Systems and High Voltage Laboratory
- Electronics and Measurements Laboratory
- Communication and Systems Engineering Laboratory
- Computer and Information Engineering Laboratory

DEIE provides a Computer Resource Centre so that students can access the computer facilities. Also, the department has an air-conditioned lecture room, with a seating capacity of 85 and equipped with audio-visual facilities.

DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING

INTRODUCTION

B.Sc. Eng. (Hons) in Mechanical and Manufacturing Engineering

The B.Sc. Eng. (Hons) in Mechanical and Manufacturing Engineering at the Faculty of Engineering, University of Ruhuna, is a leading, IESL-accredited programme preparing students for globally in-demand careers. Admitting around 100 students annually, it is a multidisciplinary programme, with a revised curriculum in 2023, covering Mechanical Engineering, Applied Mechanics, Control Engineering and Robotics, Industrial Engineering and Management, Material and Manufacturing Engineering, and Thermo Fluids and Energy Engineering. Students gain hands-on experience in modern laboratories and workshops, including advanced CNC machines, equipping them with practical skills and innovative capabilities.

VISION AND MISSION

DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING

VISION

To be an innovative leader in undergraduate and graduate education, high quality research, and expert technical services, essential for sustainable social, economic, and technological development of the society

MISSION

To provide an academic environment that delivers a sound understanding of the fundamental theory, an excellent ground in practical skills, the opportunity to develop the ability of creative design, an exposure to modern technology, an awareness of environmental and social constraints, basic skills in management and entrepreneurship, and an encouragement for high quality research

ACADEMIC STAFF

DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING

HEAD OF THE DEPARTMENT:

Dr. A.W.B.I. Annasiwaththa
(Senior Lecturer)

PROFESSORS:

Prof. H.C.P. Karunasena (Dean, FOE)

SENIOR LECTURERS:

Dr. H.C. Ambawatta

Dr. G.I.P. Perera

Dr. N.K. Hettiarachchi

Dr. P.G.C.R. Gallage

Dr. L.K.T. Srimal

Dr. K.T.K.M. De Silva

Eng. T.K.K.S. Pathmasiri

DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING

ACADEMIC STAFF

SENIOR LECTURERS:

Dr. K.C. Wickramasinghe

Dr. P.R.D. Weerasooriya

Dr. Y.S.K. De Silva

Dr. G.V.C. Rasanga

LECTURERS (PROBATIONARY):

Eng. M.S.D. Nimali

Eng. R.W.K. Anjana

Eng. B.D.S.M. Kavisigamuwa

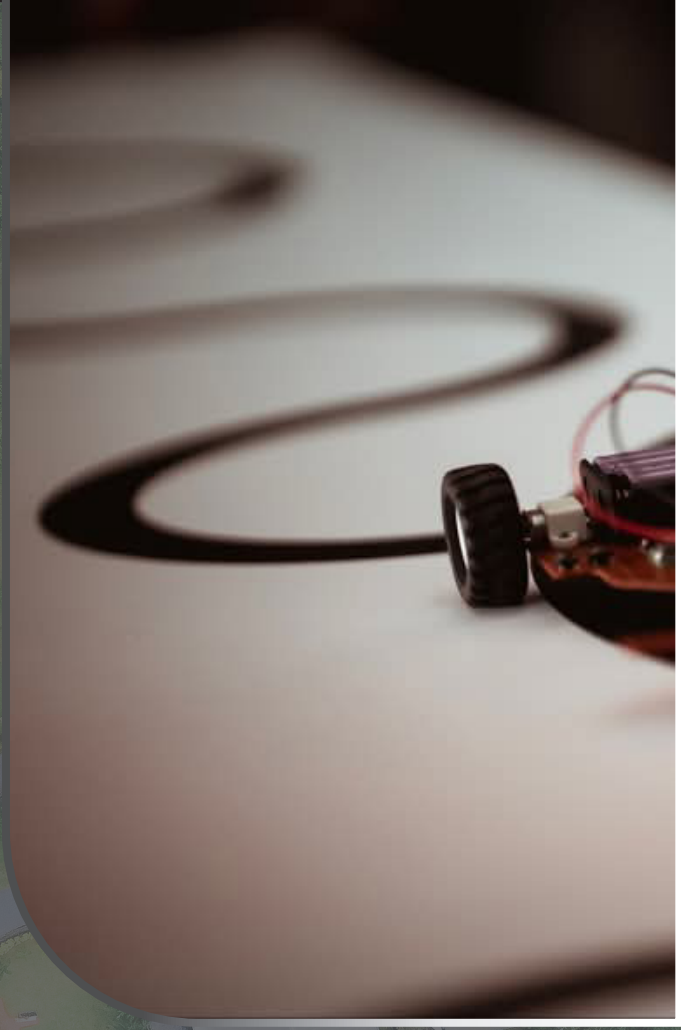
Eng. K.C.M. Dayananda

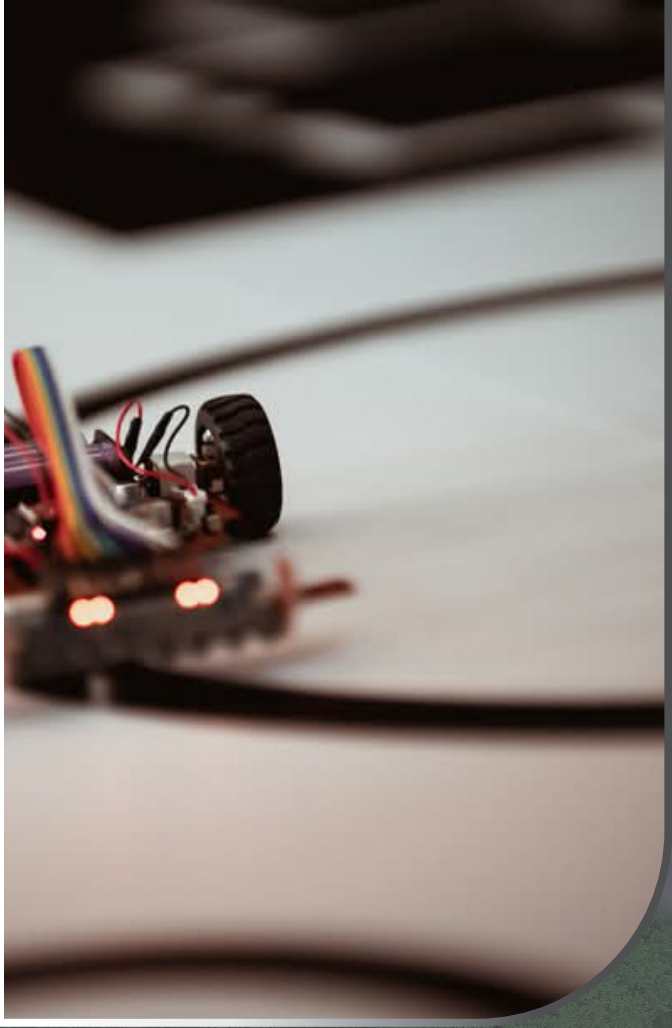
Eng. K.V.T.R. Jayawardhana

DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING

AREAS COVERED

The academic programme of the department provides opportunities to study Mechanical and Manufacturing Engineering with an emphasis on the following primary areas of specialization: Material and Manufacturing Engineering, Thermal and Fluid Engineering, Applied Mechanics, Robotics, and Control and Automation. The course modules offered by the department are either completely theoretical or completely practical or a combination of the two. Some of the modules offered by the department are Engineering Mechanics, Engineering Materials, Thermodynamics, Fluid Mechanics, Control Engineering and Robotics, Production and Operation Management, Maintenance Management, Marine Engineering, Mechanics of Machines, Metallurgy, Design of Machine Elements, Electrical Machines, Computer-Aided Design and Manufacturing, Automobile Engineering and Production Planning.





DEPARTMENT OF MECHANICAL AND MANUFACTURING ENGINEERING

FACILITIES

The department is housed in its own three-storey building with six laboratories and a separate two-storey engineering workshop. The laboratories include:

1. Engineering Materials & CAD Laboratory
2. Manufacturing Engineering Laboratory
3. Thermodynamics and Automobile Laboratory
4. Fluid Mechanics Laboratory
5. Applied Mechanics, Control and Mechatronics Laboratory
6. Engineering Workshop

DEPARTMENT OF MARINE ENGINEERING AND NAVAL ARCHITECTURE

INTRODUCTION

B.Sc. Eng. (Hons) in Marine Engineering and Naval Architecture

The B.Sc. Eng. (Hons) in Marine Engineering and Naval Architecture at the Faculty of Engineering, University of Ruhuna is Sri Lanka's only state university programme offering this specialized degree. Designed according to International Maritime Organization (IMO) Model Courses and International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW) international standards, the programme meets global maritime requirements and is closely monitored by the Director General of Merchant Shipping (DGMS).

Undergraduates gain expertise in Marine Engineering, Naval Architecture, Shipboard Electrical Systems, Instrumentation and Control, Ship Design and Construction, Maintenance, Shipboard Management, Operation, and Safety at Sea. Students learn from senior professors and industry experts, including chief engineers, captains, and naval architects, with hands-on experience in advanced laboratories such as Marine Engine Simulation, Naval Architecture, Marine Engineering, Thermodynamics, and Automobile Labs.

VISION AND MISSION

DEPARTMENT OF MARINE ENGINEERING AND NAVAL ARCHITECTURE

VISION

To be a globally recognized top-tier department in the field of Marine Engineering and Naval Architecture, dedicated to excellence in Education and Research and Development

MISSION

To provide high-quality education and training in the fields of marine engineering, naval architecture, and maritime safety, while contributing to the advancement of knowledge in these areas through research, innovation, and the development of new technologies

DEPARTMENT OF MARINE ENGINEERING AND NAVAL ARCHITECTURE

HEAD OF THE DEPARTMENT:

Dr. Sumith Baduge
(Senior Lecturer)

SENIOR LECTURERS:

Eng. K.G.V.K. De Silva

LECTURERS:

Eng. T.D. Jayasekera (Probationary)
Mr. A.G.M. Azaam (Probationary)
Mr. H.G.D. Nadeepa (Temporary)

DEPARTMENT OF MARINE ENGINEERING AND NAVAL ARCHITECTURE

AREAS COVERED

The B.Sc. Eng. (Hons) in Marine Engineering and Naval Architecture (MENA) programme is meticulously structured to adhere to International Maritime Organization (IMO) standards, including the STCW international standards and relevant Model Courses. The unique professional module names remain constant to support graduates in achieving the Certificate of Competency required for a marine engineering career. The programme's commitment to quality ensures it meets all IMO requirements and regulations, subjecting it to continuous inspection and audit by both local administrative bodies and international maritime authorities.

DEPARTMENT OF MARINE ENGINEERING AND NAVAL ARCHITECTURE

AREAS COVERED

Main Subdivisions:

- Marine Engineering
- Naval Architecture
- Shipboard Electrical, Instrumentation and Control Systems
- Ship Design and Construction
- Maintenance and Watchkeeping
- Shipboard Management
- Operation and Control of Ships
- Safety in Work at Sea

DEPARTMENT OF MARINE ENGINEERING AND NAVAL ARCHITECTURE

State-of-the-art laboratory facilities will be provided to develop skills and competencies required to produce Marine Engineers and Naval Architects who will be employable globally.
The laboratories include:

FACILITIES

1. Naval Architecture Laboratory
2. Marine Engineering Laboratory
3. Marine Engine Simulation Laboratory
4. Thermodynamics and Automobile Laboratory
5. Marine Engineering Instrumentation and Control Systems Laboratory
6. Ship Design and Construction Laboratory
7. Engineering Workshop
8. Manufacturing Engineering Laboratory
9. Engineering Materials Laboratory
10. Fluid Mechanics Laboratory
11. Applied Mechanics and Mechatronics Laboratory
12. Computer-Aided Design Laboratory

DEPARTMENT OF INTERDISCIPLINARY STUDIES

INTRODUCTION

The Department of Interdisciplinary Studies at the Faculty of Engineering, University of Ruhuna, plays a central role in supporting all four engineering departments by offering a broad and structured curriculum designed to bridge the gap between students' technical skills and personal development. Established in 1999 alongside the faculty at Hapugala, the department provides courses for all undergraduates in the faculty, regardless of their discipline and equips them with the foundational knowledge and skills necessary to follow their degree programs successfully. The department aims to develop professional engineers with a solid technical foundation, strong interpersonal and managerial skills, leadership capabilities, and a comprehensive awareness of the societal and environmental implications of their work.

DEPARTMENT OF INTERDISCIPLINARY STUDIES

VISION AND MISSION

VISION

To produce professional engineers with sound technical foundation to be the foremost in interpersonal and managerial skills for a challenging tomorrow

MISSION

Through broad liberal education, to train engineering undergraduates for careers of leadership, especially in engineering, with those attitudes, abilities and skills that would give them mastery over a challenging professional world with a clear understanding of the impact of their work on society and the environment

ACADEMIC STAFF

DEPARTMENT OF INTERDISCIPLINARY STUDIES

HEAD OF THE DEPARTMENT:

Dr. N.M. Wagarachchi
(Senior Lecturer)

SENIOR LECTURERS:

Dr. W.T.G. Samantha

Dr. D.M.K.N. Seneviratna

Dr. W.M.I. Udayanganie

LECTURERS:

Ms. R.L. Perera

Dr. D.P.S. Wijesinghe

LECTURERS (PROBATIONARY):

Ms. D.D.A. Jayarathna

Ms. M.W.S. Randunu

Mr. D.M.S. Bandara

DEPARTMENT OF INTERDISCIPLINARY STUDIES

The department offers course modules in Mathematics, Personal Development, Humanities, Social Sciences, Economics, Finance, Management, Entrepreneurship, Communication, and Ethics, which are common to all engineering students and essential for developing well-rounded professionals.

AREAS COVERED

These modules are organized under four subdivisions:

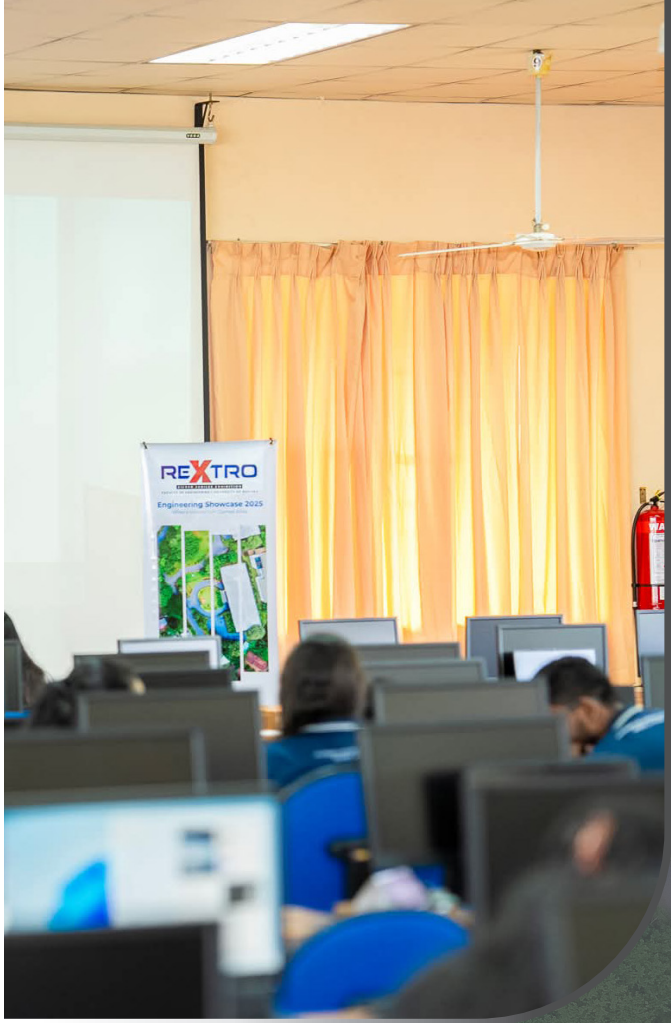
1. Mathematics
2. Management
3. Communication
4. Personal Development

Therefore, by integrating technical knowledge with managerial insight, communication skills, ethical awareness, and social understanding, the department equips students with a well-rounded and comprehensive skill set. This all-inclusive preparation complements their engineering training and ensures they are ready to contribute meaningfully and responsibly to their professions and to society.

DEPARTMENT OF INTERDISCIPLINARY STUDIES

COMPUTER CENTRE:

The department includes two well-equipped Computer Centres, which aim to enhance students' competence in information technology. The Computer Centres provide high-quality ICT services to support academic learning and research. Computer Centre I (New CC) houses 280 computers with internet access, while Computer Centre II (Old CC) contains 146 computers, also with full internet connectivity. Both centres are designed to facilitate practical learning, independent study, and access to digital resources, ensuring that students develop the technical skills required for modern engineering practice.



DEPARTMENT OF INTERDISCIPLINARY STUDIES

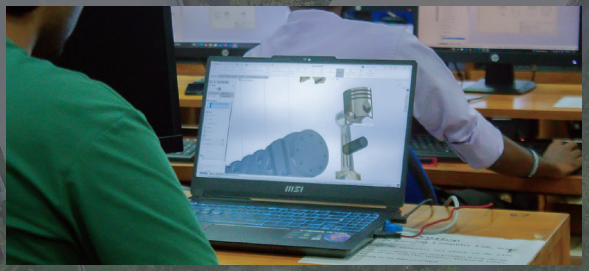
FACILITIES

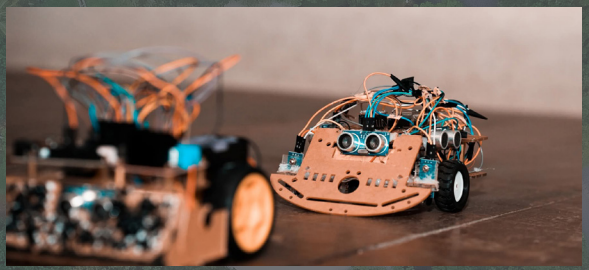
SEMINAR ROOM:

The Seminar Room is fully equipped with a built-in data projection system and comprehensive audio facilities, enabling it to accommodate up to 125 students comfortably. It is available for use by other departments within the faculty, providing a versatile space for lectures, presentations, and academic workshops. The combination of modern technological facilities makes the Seminar Room a vital resource for both departmental and interdepartmental academic activities.

IESL RUHUNA ENGINEERING STUDENT CHAPTER

The IESL Ruhuna Engineering Student Chapter is the official undergraduate body of the Institution of Engineers, Sri Lanka (IESL) at the University of Ruhuna. As one of the faculty's most active and respected professional societies, it provides a vital platform that connects students with the broader engineering community. Through technical workshops, expert sessions, competitions, and flagship events such as IESL Day, the chapter promotes professional development and industry exposure. Student membership offers a streamlined pathway to Associate Membership, exclusive learning resources, networking opportunities, and recognized professional competence. The chapter ultimately empowers undergraduates to grow into capable, ethical, and future-ready engineers.





SOCIETIES

MECHANICAL AND MANUFACTURING ENGINEERING STUDENT SOCIETY (MMESS)

The Mechanical and Manufacturing Engineering Student Society (MMESS) serves as the primary executive body representing the Department of Mechanical and Manufacturing Engineering at the University of Ruhuna. While the society is widely recognized for organizing Mexellence, its premier annual forum for technical innovation, its mandate extends far beyond event management.

Looking ahead, MMESS acts as the central operational hub for the department's strategic development. It is currently spearheading a comprehensive roadmap that includes the establishment of an Engineering Hub and Makerspace to enhance practical competencies, alongside a Smart Repository to digitally preserve our academic heritage. By centralizing these initiatives, MMESS ensures that every endeavor, from student welfare to infrastructure modernization contributes to a unified and professional vision for the next generation of engineers.

ELECTRICAL AND INFORMATION ENGINEERING SOCIETY (EIES)

The Electrical and Information Engineering Society (EIES) is the main student-staff society within the department. It is formed by four circles: Software, Power, Electronics, and Telecommunication and Networking. Under the guidance of the academic advisory board, the society enables students to take the lead in organizing different academic, technical, and community activities. The aim of EIES is to improve students' academic and technical abilities while helping them develop leadership, interpersonal, and professional skills. Some major activities of EIES include industry guest lectures, webinars, workshops for undergraduates, charity work, and the annual XbotiX robotics competition. Through these activities, EIES supports and enhances the overall student experience in the department.

SOCIETIES

CIVIL AND ENVIRONMENTAL ENGINEERING SOCIETY (CEES)

The Civil and Environmental Engineering Society (CEES) of the Faculty of Engineering, University of Ruhuna, has been a vibrant and dedicated student body throughout the faculty's 25-year journey. CEES continuously strives to uplift the Department of Civil and Environmental Engineering Department by organizing academic, technical, and social initiatives that inspire learning and collaboration. Over the years, the society has successfully hosted signature competitions such as Revit design challenges and the Spaghetti Bridge Competition, fostering innovation among students. CEES has also organized cricket tournaments, charity programmes, and various supportive activities, ensuring the holistic development of its members while strengthening unity within the department.

REF MEDIA

REF Media is the official media unit of the Faculty of Engineering, University of Ruhuna, established in 2016 to present the faculty's spirit, achievements, and student life with creativity. The team captures key events, projects, and milestones through photography, videography, and digital content creation, enhancing the faculty's visibility and communication. Over the years, REF Media has developed into a well-organized platform where undergraduates cultivate media and content-creation skills while contributing to high-quality outreach. Through the official website and social media, REF Media remains a reliable, professional, and forward-focused creative arm, preserving memories and representing the faculty's identity with excellence.

Ruhuna Engineering Faculty Alumni Association (REFAA)

The Ruhuna Engineering Faculty Alumni Association (REFAA) is a dynamic network that unites graduates of the Faculty of Engineering, University of Ruhuna. It serves as a strong link between alumni and current students, fostering collaboration, mentorship, and professional development.

REFAA's key objectives include creating networking opportunities, guiding students through mentorship programmes, and supporting faculty initiatives such as events, competitions, and development projects. The association also works to recognize alumni achievements and promote professional excellence.

Over the years, REFAA has supported many student-focused activities, including sponsoring competitions and projects, organizing alumni gatherings and industry networking sessions, and contributing to scholarships and infrastructure development. It also shares industry insights to help students prepare for their future careers.

By engaging with REFAA, students can build valuable professional connections, gain career guidance from experienced alumni, and develop leadership skills through active participation in faculty and alumni events.

ReXtro 2025

ReXtro 2025, held from December 13 , 14 and 15 at the University of Ruhuna's Faculty of Engineering, marks the faculty's 25th anniversary with a large-scale exhibition showcasing innovation, creativity, and engineering excellence. The exhibition features over 400 exhibits across more than 40 zones. The event highlights work from all engineering departments. ReXtro 2025 also hosts major competitions, including Xbotix Robotics Challenge, MathQuest, Pitch Arena Startup Competition, TechTalks Debate, IEEE Final Year Project Competition, Astrophotography Contest, RocketFest Water Rocket Challenge, and the Revit BIM Competition. In addition, webinars, guest lectures, and hands-on workshops explore cutting-edge topics such as renewable energy, AI, sustainable infrastructure, climate technologies, telecommunications, and Industry 4.0. Bringing together university and school students, industry professionals, alumni, and the public, ReXtro 2025 serves as a dynamic platform for learning, collaboration, and celebrating engineering talent and future innovations.

25 Years of Innovation & Excellence

Faculty of Engineering

University of Ruhuna

ReXtro 2025

“ ReXtro 2025 is not just a Silver Jubilee celebration of Faculty of Engineering, University of Ruhuna, nor a three day break to display laboratory equipment, classroom projects, and teaching models. It is an endeavour to nurture a new generation of responsible engineers, fostering social good, deepening learning, sparking innovation, empowering communication, and personal growth.

Engineering exhibitions act as the bridge between education and real-world impact where creativity and learning meet purpose, and young minds understand skills to serve the society.

A powerful outcome of the exhibition is channeling student talent toward meaningful social contributions and inspiring the public and school children on how engineers shape a better future.

Experiences gained through ReXtro 2025 will undoubtedly inspire lifelong interests and influence the career journeys of engineering students, known for their dedication and commitment. ”

Dr. H.H.J. Keerthisena
Founding Dean
Faculty of Engineering
University of Ruhuna

Achievements

The Faculty of Engineering, University of Ruhuna, proudly stands as a leader in innovation, research, and excellence. Our students and staff have earned global recognition through award-winning projects, impactful innovations, and strong academic achievements. The faculty's vibrant sports culture has also brought numerous sports colours, reflecting the talent and spirit of our community.

The Annual Research Symposium showcases cutting-edge research and fosters collaboration, while consistent success at the Vice-Chancellor's Awards highlights our significant contributions to national development. These accomplishments collectively reflect the pride, strength, and growing legacy of the Faculty of Engineering, University of Ruhuna.

Field Visits and Industrial Training

Field visits and industrial training are key components designed to enhance the professional development of engineering undergraduates across all disciplines: Civil and Environmental Engineering, Electrical and Information Engineering, Mechanical and Manufacturing Engineering, Marine Engineering and Naval Architecture, and Computer Engineering. Through field visits, students gain first-hand exposure to real industrial environments, observing machinery, operations, maintenance practices, and modern technologies. These visits help students understand how classroom theories are applied in large-scale construction sites, power and energy facilities, manufacturing plants, shipyards, maritime operations, and IT or networking environments.

Industrial training further strengthens this foundation by placing students in two different organizations after their second and third years. This dual-stage training allows them to develop technical, practical, and interpersonal skills relevant to their specialization. Whether working in construction firms, electrical utilities, mechanical workshops, marine engineering companies, or software and network-based industries, students learn to apply engineering principles effectively while adapting to professional standards and future industry demands.

Engineering Faculty Students' Union (EFSU)

The Engineering Faculty Students' Union (EFSU) is the official representative body of all undergraduates of the Faculty of Engineering at the University of Ruhuna. Every engineering student automatically becomes a member, contributing to a strong and active student community. Serving as the united voice of the undergraduates, the EFSU represents student interests to the administration, the university, and the wider community, ensuring that student welfare, needs, and rights remain at the forefront.

Since its early years, with only a limited number of students, the EFSU has grown into one of the most influential student unions at the university, now powered by more than 3,200 engineering undergraduates. It leads key initiatives such as Mehewara, the Mehewara Scholarship Programme, and the annual blood donation campaign, while the Art Society and Sports Council organize various cultural, sports, and recreational events. To mark the 25th anniversary of the Faculty of Engineering, the EFSU, in collaboration with the staff and the Faculty Alumni Association (REFAA), is organizing several events, with ReXtro 2025 as the main highlight showcasing engineering excellence.

Engineering Faculty Students' Union (EFSU)

MEHEWARA

"Mehewara", a flagship initiative driven by the Students' Union of the Faculty of Engineering, University of Ruhuna. Spanning nearly a remarkable decade, this movement is dedicated to nurturing countless dreams and transforming the educational landscape of Sri Lanka. Mehewara is anchored by its G.C.E. Ordinary Level Mathematics seminar series, which has surpassed 1000 sessions over the past decade and has now expanded to deliver around 200 sessions annually. The programme continuously evolves, expanding its reach with Arduino workshops, G.C.E. Advanced Level practical workshops, essential stationery donations, and digital outreach via YouTube lessons. Carried with passion by successive student batches, Mehewara continues to engineer a brighter future for the nation's youth.

Engineering Faculty Students' Union (EFSU)

Art Society

The Art Society, in collaboration with the Students' Union, enlivens the faculty with a vibrant calendar of cultural and artistic events, celebrating occasions such as Wasantha Udanaya, Vesak Bathi Gee Saraniya, the Pirith Ceremony, Pongal, Ramadan Kareem, Christmas, and other religious festivals with enthusiasm and inclusivity. Signature programmes like Padura, Vibhavi, Thanimansala, and Yamayaka Arumasiya offer students opportunities to showcase their talents in music, drama, dance, literature, and spiritual traditions. By hosting events throughout the year, the Engineering Students' Union and Art Society foster creativity, unity, and diversity, strengthening the faculty's shared spirit.

Thambarawila

Thambarawila is a signature cultural event where creativity and technology unite, showcasing student talent. Held in 2012, 2014, 2016, and 2018, the event featured a blend of music, dance, drama, and visual arts. The event also supports the Mehewara initiative, contributing to rural education and student scholarship programmes for students.

Engineering Faculty Students' Union (EFSU)

Sports Council

Our faculty actively promotes sports through events such as the Engineering Derby, Inter-Faculty Sports Meet, Inter-Batch Sports Meet, Hockey Bash, and Football Soccer 7s. We have achieved remarkable success, securing the overall championship multiple times at the university sports meet. In 2025, our teams performed exceptionally well in sports such as badminton, hockey, baseball, chess, carrom, netball, basketball, and karate. Many talented athletes also represented the University of Ruhuna at SLUG 2025, demonstrating outstanding performance and bringing pride to the faculty and the university.

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A ship needs every force behind it — and so did we. ReXtro 2025 sailed because of you.

Our guiding light, the Dean, Professor Chaminda Karunasena, whose unwavering guidance steered our path;
All the honourable guests, who gifted us their time and support;
Our seniors — the Engineering Alumni of the University of Ruhuna, whose knowledge and mentorship became pillars of strength;
The academic and non-academic staff, whose generous and constant support uplifted every step we took;
All our sponsors, advertisers, and well-wishers, whose contributions helped our vision rise and shine;
The Student Union of the Faculty of Engineering, whose steadfast support stood with us;
And everyone who stood with us throughout this journey.

Thank you for making our Silver Jubilee exhibition golden.
We look forward to continuing to broaden our horizons.

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