



INFORMATICS
INSTITUTE OF
TECHNOLOGY

MASTER'S COURSE GUIDE

35 *Years of*
EDUCATIONAL
EXCELLENCE
1990 - 2025



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INFORMATICS
INSTITUTE OF
TECHNOLOGY

INFORMATICS INSTITUTE OF TECHNOLOGY - IIT

With a vision to groom industry ready professionals, IIT - the premier private sector higher education establishment opened its doors in 1990. Over the last 35 years, IIT has built a reputation for high quality teaching by offering industry demanded degree programmes with its partner universities.

Our focus on academic excellence and countless opportunities for extra-curricular activities and skills development has resulted in many of our graduates achieving success in their careers. Our alumni of over 5000 graduates have amazed and inspired us with their achievements at IIT and beyond.

What makes us different is how we prepare you for your future career. The IIT student experience goes beyond the classroom. Our strong links with industry and the training and development that forms part of our courses, will equip you with the knowledge, skills and confidence required for successful and rewarding careers.

We offer you an exciting and vibrant university life through internships, mentoring programmes, extra-curricular activities, such as sports, clubs & societies, local / global competitions and so much more.

We groom the independent minds of tomorrow. With IIT you will discover your own path to future success.

35
Years of
**EDUCATIONAL
EXCELLENCE**
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MESSAGE FROM FOUNDER / CHAIRMAN OF INFORMATICS GROUP

For 35 years, the Informatics Institute of Technology (IIT) has been a leader in Sri Lanka's private education sector, shaping the country's higher education landscape. We are committed to providing a world-class education that prepares students for successful careers. IIT offers degrees in collaboration with two top international universities: the University of Westminster and Robert Gordon University. This means our students can earn high-quality, globally recognised degrees right here in Sri Lanka. IIT offers both undergraduate and postgraduate degrees through our specialised schools: The School of Computing and The Business School. We also provide Foundation Certificates for those seeking an alternative pathway to their academic journey, allowing a smooth transition to higher education.

At IIT, we believe education is about more than just theory. We focus on practical skills through internships, industry connections, and hands-on learning. Our students also get involved in extracurricular activities like sports, clubs, and competitions, helping them grow both personally and professionally.

Our campuses, including our main location on Ramakrishna Road and others like GP Square and Java Lounge, are equipped with the latest resources for a modern learning experience. The new Spencer Building further supports our growing student body with cutting-edge facilities.

By choosing IIT, you're joining a respected institution with a legacy of excellence and a global outlook. We focus on equipping students with the skills and knowledge needed to succeed in today's competitive job market.

At IIT, we are dedicated to helping you succeed and make an impact in the world. Join us and take the first step toward building a successful future.

A handwritten signature in white ink on a dark grey background, reading "Gamini Wickramasinghe".

Dr. Gamini Wickramasinghe
Chairman - Informatics Group



MESSAGE FROM GROUP CEO

Choosing IIT for your postgraduate education is a decision that will set you on the path to success. We offer top-tier facilities, a proven track record of delivering “Value for Money,” and a commitment to your growth.

But let's be clear completing a postgraduate degree is no easy feat. It takes hard work, dedication, and perseverance. Many start, but only the determined finish. And that's where IIT stands out—we don't just teach; we ensure you achieve real results.

Don't wait—take this opportunity now. Completing your Master's degree will be challenging, but it's also one of the most rewarding milestones of your career.

IIT is here to guide you, support you, and help you succeed. Register today, and let's make your future happen!

Thank you, and I look forward to seeing you succeed.

A stylized, handwritten signature in white ink, appearing to read 'Mohan Fernando'.

Mohan Fernando
CEO - Informatics Group

THE DEANS

“As Deans of IIT’s School of Computing and Business School, we are committed to guiding you towards your academic and career goals, partnering with you every step of the way to ensure your success in the postgraduate journey.”



Dr. Naomi
Krishnarajah

**Dean, Administration -
IIT School of
Computing**



Professor
P. S. M.
Gunaratne

**Dean -
IIT Business
School**

MEET OUR DEDICATED FACULTY

Our esteemed lecturers are fully committed to guiding you on your academic journey. Led by:

Computing



**Prof. Prasad
Wimalaratne**

Consultant Professor
Academic School of
Computing



**Mr. Rathesan
Sivagnanalingam**

Course Leader, MSc
in Advanced Software
Engineering



**Mr. Guhanathan
Poravi**

Course Leader,
MSc in Cyber Security
and Forensics



**Mr. Lakshan
Costa**

Course Leader,
MSc in Information
Technology

Business



**Mr. Nipuna
Senanayake**

Course Leader,
MSc in Big Data
Analytics



**Dr. Alroy
Mascarenghe**

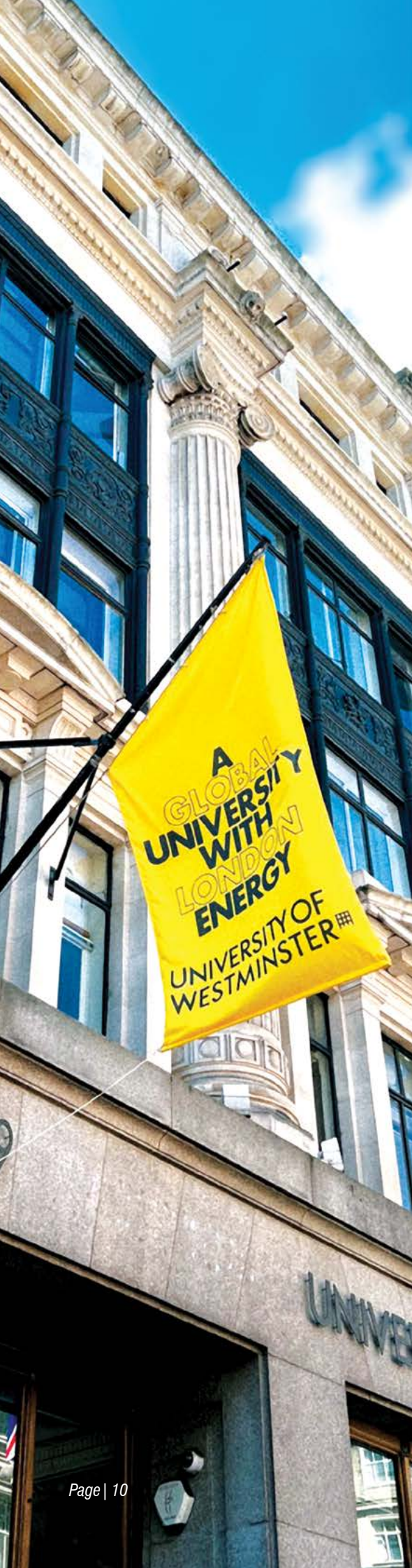
Course Leader,
MSc in Business
Analytics



**Ms. Shonali
Aponso**

Course Leader,
MA in Fashion Business
Management

These experts are here to support your growth, providing invaluable mentorship and a rich academic experience as you advance through your postgraduate studies.



OUR ACADEMIC PARTNERS

UNIVERSITY OF
WESTMINSTER

UNIVERSITY OF WESTMINSTER, UK

Innovation with Global Impact

Founded 180 years ago as the UK's first polytechnic, the University of Westminster (UoW) has evolved into a globally recognised institution. Originally created to educate London's working population, UoW now champions innovation, employability, and sustainability.

Embodying "London Energy"

UoW embodies the dynamic "London Energy," blending academic excellence with real-world relevance. With a focus on internationalization, employability, and sustainability, the university offers a vibrant learning environment. Its innovative teaching methods across undergraduate, postgraduate, and professional courses prepare students for success in various fields.

Diverse Programmes for Every Interest

UoW offers a broad range of programmes in areas like Architecture, Computer Science, Business, Journalism, Digital Media, and more. This diverse curriculum is designed to help students gain both theoretical knowledge and practical skills, catering to varied career aspirations.

A Truly Global Community

With over 19,000 students from 169+ nationalities, UoW fosters a rich, international community. Strong ties with 183 industry partners also provide students with valuable networking and real-world opportunities.

Academic Excellence, Employability, and Sustainability

UoW's academic programmes emphasize practical, industry-focused training, ensuring graduates are not only knowledgeable but also employable and ready to contribute to global sustainability.

Why Choose UoW?

UoW offers more than education—it fosters an environment where students can thrive academically and professionally. With a focus on employability, sustainability, and a global network, UoW is the perfect place for ambitious students aiming to succeed in today's competitive world.





COMPUTING PROGRAMMES

MSc Advanced Software Engineering

Course Focus:

Aims of the programme _____

The MSc in Advanced Software Engineering aims to equip students with practical and research-based skills to address current challenges in software development. The course focuses on systematic, disciplined approaches to software engineering, covering emerging areas like mobile computing, machine learning, big data analytics, cloud platforms and distributed systems. It responds to the national skills shortage in IT by addressing the rapid pace of technological change, gaps in academic curricula, and the informal learning common in the industry. The programme prepares graduates for lifelong learning and effective contributions in a dynamic, evolving field.

Employability Skills & Work Placement Opportunities _____

The course is regularly updated to stay aligned with academic and industry needs. Students gain practical experience through scenario-and lab-based assessments, preparing them for real-world work environments. Strong industry connections enhance employability, with graduates suited for roles such as Tech Lead, DevOps Engineer, Senior Software Engineer, Project Manager, Software or Cloud Architect, Full-Stack Developer, Enterprise Architect, and Cloud System Engineer.

Professional Accreditation

This programme is accredited by the British Computer Society (BCS), the Chartered Institute for IT. Graduates satisfy the educational requirements for Chartered IT Professional (CITP) status and are eligible for professional membership with BCS (MBCS), opening doors to prestigious career advancements.

Entry Requirements

A 2.2 or above honours degree in Software Engineering, Computer Science, or a related subject is required. Equivalent qualifications in science or math-based subjects with strong computer science content and programming skills are also accepted. Most decisions are based on the application form, but applicants with non-traditional qualifications may be interviewed to assess their suitability.

Course structure

Teaching methods are designed to actively engage students in their learning through a combination of knowledge acquisition and skill development. This is achieved through hands-on activities, self-directed study, experimentation, and practical application. Modules are delivered via a mix of lectures, tutorials, workshops, and seminars. For the MSc Project, each student is assigned a supervisor for one-on-one guidance and supported by group seminars and workshops that focus on essential project-related skills and knowledge.

Assessment and feedback are integral to the learning process and vary depending on the module's objectives. A diverse range of assessment formats is used, including individual programming tasks, written reports, group projects involving the design and development of complex software applications, as well as presentations and demonstrations of individual or teamwork.

You'll study five core modules and two optional, for a total of 180 credits.

The following subjects are indicative of what you'll study in this course.

Core Modules

- Advanced Software Design
- Cloud Computing Applications
- Concurrent and Distributed Systems
- MSc Project
- Enterprise Application Development

Optional Modules

- Data Mining and Machine Learning
- IoT Technologies
- Mobile Application Development
- Advanced Big Data Analytics
- Usability and User Design Experience

Duration:

2 Years (Part-Time)

ALUMNI SUCCESS STORIES

From Graduate to Industry Leader

The success of IIT alumni demonstrates how education can open doors to global opportunities. Their achievements in technology, leadership, and contributions to Sri Lanka and the world inspire others, proving that a strong educational foundation, combined with hard work, leads to remarkable success.

From Graduate to Global Leader



The Story of Asanga Marasinghe

Asanga Marasinghe's career began at IIT, where he balanced part-time studies with work at IFS. His expertise and mentorship helped him rise to Country Director, later co-founding Inivos, a global consulting firm. Passionate about nurturing future talent, he partnered with IIT to offer internships and employment. Grateful for IIT's impact, Asanga is committed to advancing its legacy and digital transformation.

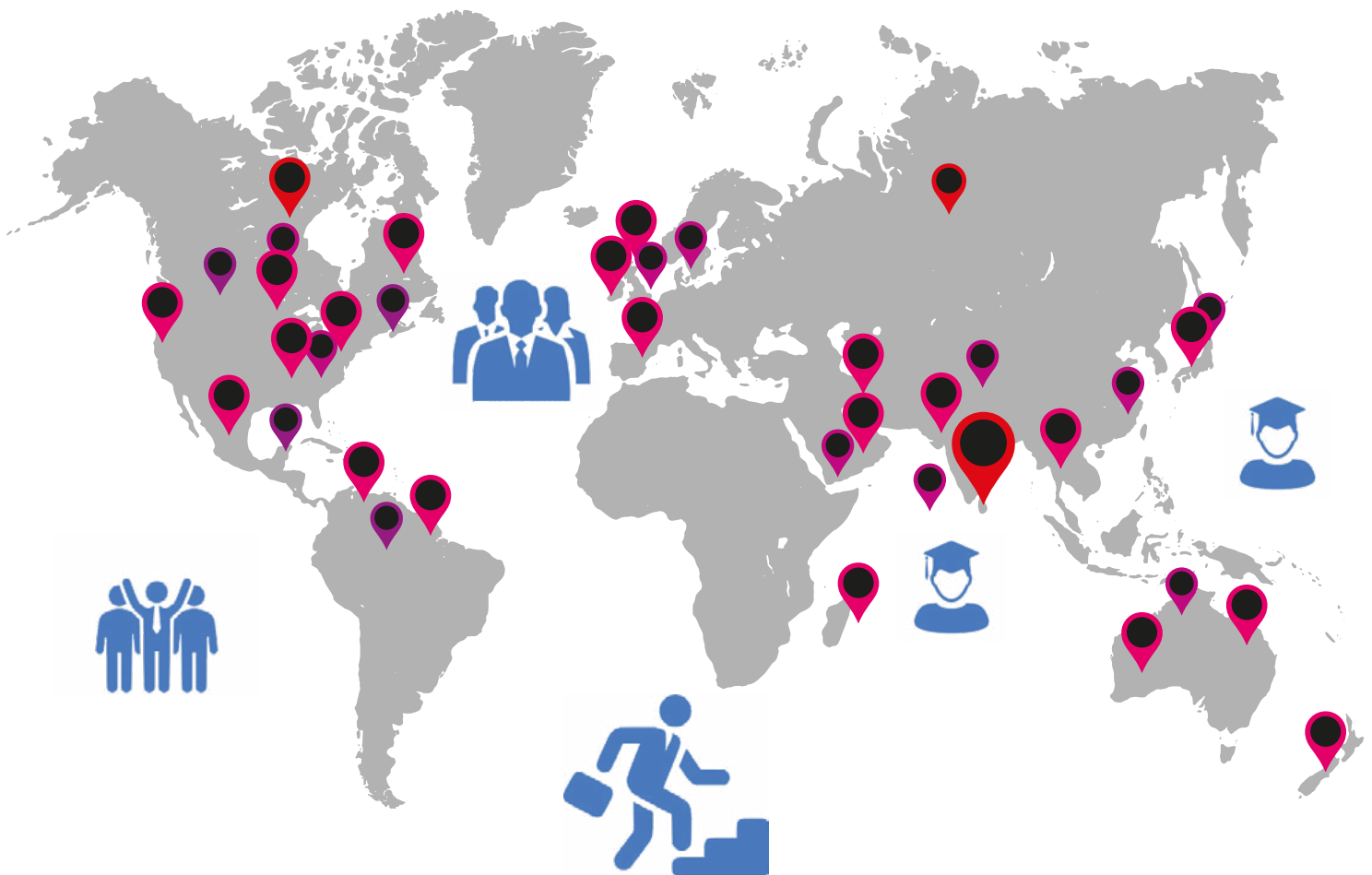


The Journey of Sanharsha Jayatissa

Sanharsha Jayatissa's career in IT began with a strong education at IIT, where he earned a BSc in Information Systems. He furthered his studies with an MSc in IT and Management, and an MBA, and is currently pursuing a DBA. Starting as a Management Trainee at DSI Samson Group, he advanced to leadership roles, including Vice President of Global Operations at Axiata Digital Labs. Grateful for the foundation IIT provided, Sanharsha is dedicated to supporting the institute's legacy and future IT leaders.

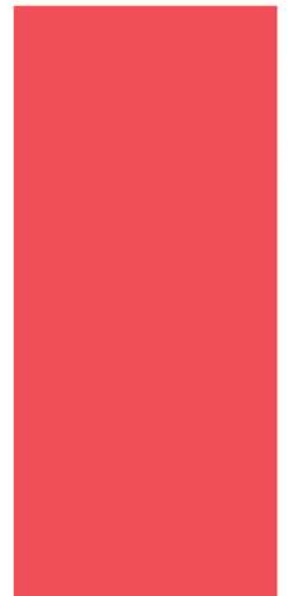
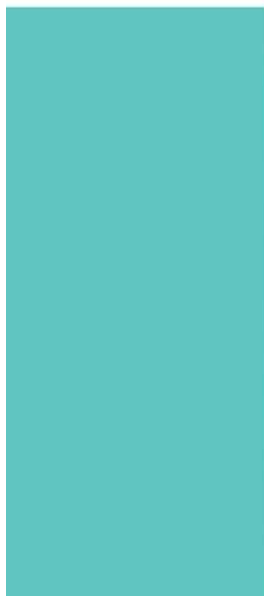
About IIT's Employers

IIT graduates thrive in diverse industries, contributing their expertise to sectors like Mobile Solutions, IT, Healthcare, Finance, and more. They work with renowned companies such as Unilever, Dialog, Virtusa, Commercial Bank, and Mahindra Comviva, shaping innovation and driving business success. From technology to healthcare and consulting, IIT alumni play pivotal roles in global organizations, demonstrating the institute's commitment to providing world-class education. With their strong technical skills, leadership, and industry knowledge, IIT graduates continue to make a significant impact, proving the institute's high standards and its role in shaping future leaders.



VIBRANT STUDENT LIFE

At IIT, student life goes beyond academics, offering a vibrant, dynamic environment that fosters personal growth and creativity. With a diverse community, IIT celebrates individual differences while uniting students through shared experiences. The campus encourages a balance between academics and extracurricular activities, promoting leadership, innovation, and wellness. From sports and talent shows to social clubs, students have many opportunities to explore their passions. IIT's strong support system, with guidance from faculty and staff, ensures students thrive both academically and personally, preparing them to succeed and make an impact in the world.



Key Events

01 The ICIT International Conference –

This event serves as a platform for research presenters to enhance their work and inspire academic careers, providing an opportunity to discuss current research topics.

02 IIT CAREER DAY –

Held annually, IIT Career Day connects students with over 80 leading Sri Lankan companies, helping third-year students secure industrial placements and acquire skills for a smooth transition into the corporate world.

03 IIT Excellence Awards –

IIT celebrates exceptional students for their achievements beyond academics, recognising skills like innovation, teamwork, and leadership that prepare them for long-term careers.

04 Cutting Edge –

An annual exhibition showcasing IIT students' IT and business projects, with the best projects encouraged to compete nationally and internationally, fostering pride and a winning spirit among students.

05 IIT InfoSchol –

A platform for students to present their projects to judges, evaluated on skills, knowledge, and presentation abilities, offering new opportunities for academic and professional growth.

06 Leap Gen –

A venture supporting start-ups, including those founded by IIT students, by providing mentoring and seeking funds from partners to accelerate business growth and help new companies thrive.



IIT is expanding its presence in Sri Lanka and internationally, providing high-quality education to more students. This includes regional centres in Galle and Kurunegala in Sri Lanka and a partnership with Cambrian School & College in Bangladesh.

INFORMATION ABOUT CENTRES

REGIONAL STUDY CENTRE – KURUNEGALA



The IIT Kurunegala branch provides modern facilities and a supportive learning environment for students in the Northwestern province of Sri Lanka.

Programmes Offered:_____

Foundation Programme:

Pathways in Business and Computing, preparing students for undergraduate studies.

Professional Certificate Programmes:

For working professionals in Software Quality Assurance, Artificial Intelligence, Cyber Security, and Network & System Administration.

IIT Global Pathways:

Assists students wishing to study abroad in the UK, Canada, Australia, Germany, and more.

Objectives: _____

- Provide convenient access to quality education in the Kurunegala region.
- Support personal growth and academic success.
- Offer career-enhancing certifications and global study opportunities.



REGIONAL STUDY CENTRE – GALLE



The IIT Regional Centre in Galle offers a modern, accessible learning environment in southern Sri Lanka, featuring spacious classrooms, advanced technology, and a supportive atmosphere for personal and academic growth.

Programmes Offered:_____

Foundation Programme:

Pathways in Business and Computing to prepare students for advanced undergraduate degrees.

Professional Certificate Programmes:

Available in Software Quality Assurance, Artificial Intelligence, Cyber Security, and Network & System Administration for working professionals (weekends).

IIT Global Pathways:

Assists students wishing to study abroad in the UK, Canada, Australia, Germany, and more.

Services:_____

Enrolment Hub:

For Foundation, Degree, and Master's programmes.

Sports, Clubs, and Societies:

Opportunities for extracurricular activities and networking.

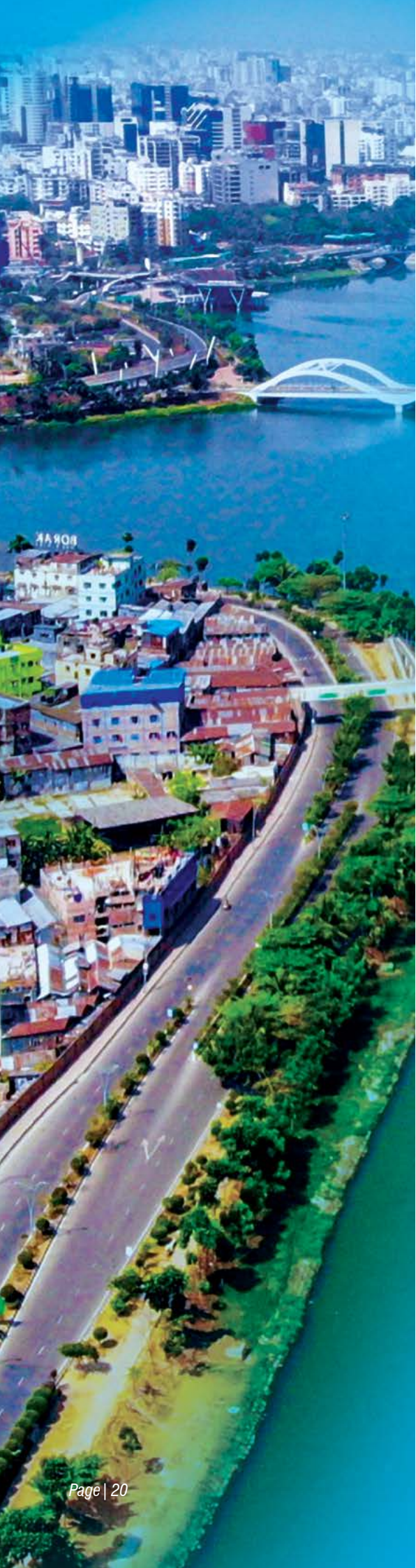
Student Support:

The Student Relations Unit (SRU) helps with academics, accommodation, and personal matters.

Objectives: _____

- Provide accessible education in Galle.
- Support academic and personal growth.
- Offer diverse educational pathways, including Foundation and professional courses.
- Create opportunities for global education and career growth.





INFORMATION ABOUT CENTRES

INTERNATIONAL REGIONAL STUDY CENTRE – BANGLADESH



In partnership with Cambrian School & College in Dhaka, IIT offers a foundation programme that helps students transition from high school to university. Cambrian provides a well-rounded education with a focus on English proficiency

and extracurricular activities. The IIT-developed foundation programme equips students with academic knowledge and soft skills, preparing them for undergraduate degrees at top UK universities and guaranteeing employment opportunities. Students can also pursue higher education in countries like Australia, Canada, Germany, and New Zealand, opening doors to global opportunities. This partnership offers Bangladeshi students a strong foundation for success at renowned international institutions.

Conclusion:

IIT's establishment of Regional Study Centres in Sri Lanka and its international collaboration in Bangladesh reflects its commitment to expanding access to high-quality education. These expansions offer students more opportunities for academic, personal, and professional growth without the need to relocate to major cities. By providing comprehensive programmes, certifications, and global study opportunities, IIT is helping to create a more equitable educational landscape and shaping a brighter future for students in Sri Lanka and beyond.

SCHOLARSHIPS, INTAKES & ADMISSION PROCESS

Programmes Offered:

Applicants are eligible for consideration if they hold a First, Second Upper Class, or Second Lower Class Degree in an IT or non-IT discipline from a recognised university. An interview is required as part of the selection process.

Intakes & Admission Process:

The postgraduate degrees offer three intakes per year: January, May, and September, allowing flexibility for students to start when convenient.

- **Local students (Sri Lankan nationals)** must visit the **IIT City Campus at #435 Galle Rd, Colombo 03**, or the **IIT Campus at #57, Ramakrishna Road, Colombo 06** to register for the programme. It's recommended to make an appointment in advance by contacting the admissions office at +94 766 760 760. The admissions process includes an interview, and the student's physical presence is required.
- **International students** should contact the admissions office at **+94 766 760 760** or email admissions@iit.ac.lk for assistance with registration. After submitting the application and required documents, an interview via Skype will be scheduled. Upon acceptance, a "Conditional Offer Letter" will be issued for the visa application, which will only be provided after the Registration Fee and Year 1 Course Fee are paid.

Documents Required:

1. Completed application form
2. Relevant educational certificates
3. Birth Certificate (Original or certified copy)
4. NIC/Passport (Original and copy for local students, valid passport for international students)
5. Reference letters



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