



INFORMATICS  
INSTITUTE OF  
TECHNOLOGY

# MASTER'S COURSE GUIDE

**35** *Years of*  
EDUCATIONAL  
EXCELLENCE  
1990 - 2025



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# MASTER'S COURSE GUIDE

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• MAIN CAMPUS • BUSINESS SCHOOL • CITY OFFICE •  
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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*  
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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 handwritten signature in white ink, appearing to read 'Mohan Fernando', is positioned above the printed name.

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

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**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

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**Mr. Nipuna  
Senanayake**

Course Leader,  
MSc in Big Data  
Analytics



**Dr. Alroy  
Mascirenghe**

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



### ROBERT GORDON UNIVERSITY, UK (RGU)

#### A Leading Institution in Education and Research

Robert Gordon University (RGU) is a modern and dynamic institution offering a wide range of degrees from undergraduate to doctorate level. Known for its excellence in teaching and learning, RGU holds a prestigious Gold rating from the UK's Teaching Excellence Framework (TEF), placing it among the top 20% of universities in the UK for undergraduate education.

#### A Diverse and International Student Body

With approximately 16,000 students, RGU is home to a vibrant and diverse community, with 10,000 students enrolled in undergraduate programmes and the rest pursuing postgraduate degrees. The university is proud of its international presence, with students from over 153 nationalities. As the leading university in Scotland and one of the top 10 universities in the United Kingdom, RGU continues to attract students from all over the globe.

## Strong Industry Connections and Relevant Education

RGU has established strong relationships with key industries, including professional associations, government departments, and research institutions. These partnerships ensure that the university's academic content remains relevant and aligned with current industry standards. This approach helps RGU deliver an education that not only meets academic requirements but also prepares students for success in the professional world.

## Research-Driven and Community-Focused

Research at RGU plays a critical role in addressing real-world problems faced by businesses and organisations. The university places a strong emphasis on finding practical solutions through its research initiatives. Additionally, RGU fosters a culture of collaboration, working closely with local, regional, and global communities to develop socially responsible citizens. The university promotes ethical behaviour and strives to make a positive impact on society.

## Why Choose Robert Gordon University?

Robert Gordon University is a top choice for students seeking high-quality education and industry-relevant training. With a strong academic reputation, a focus on research, and a commitment to ethical behaviour and community engagement, RGU provides students with the tools they need to succeed in today's competitive job market.





# BUSINESS PROGRAMME

## MSc Business Analytics

### Course Focus:

The MSc in Business Analytics helps professionals like Business Analysts and IT Managers tackle big-data challenges, offering a flexible, part-time two-year course that builds technical and professional skills.

### Benefits of pursuing an MSc in Business Analytics:

Students receive thorough training in Web Mining, Business Intelligence, Big Data, and Data Science. The programme prepares them for roles in industry consulting, research, or pursuing a PhD.

### Admission Requirements:

Applicants should have a degree in IT, Business, Computing, Mathematics, or Statistics, along with relevant experience.

### Course Modules:

The programme includes 9 core modules:

#### 01 Fundamentals of Data Warehousing –

The module covers key concepts and principles of databases, data capture, cleansing, and preparation for business analytics, and data warehousing techniques, and aims to develop specialised knowledge in areas that highlight the interaction and synergy between research and the practice of distributed large-scale data stores.

## 02 Data Management –

Data Management includes key concepts and principles for the development and execution of architectures, policies, practices, and procedures to effectively manage and govern the entire data lifecycle, ensuring it meets the needs of a business enterprise.

## 04 Web Mining –

Web Mining introduces students to the process of analysing both qualitative and quantitative web data using advanced analytical techniques to inform business decisions.

## 06 Business Modelling and Analytics –

The module provides an understanding of the core principles of business modelling with real-world business data, as well as specialised knowledge and valuable insights into statistical techniques at the forefront of business modelling.

## 08 Research Methods –

This module helps develop the skills needed for independent research in a rapidly evolving technological discipline, with an awareness of the legal, ethical, social, and professional context, while also enhancing transferable skills.

## 03 Statistics For Business Analytics –

This module provides in-depth knowledge of the data analytics iterative lifecycle, with a methodical exploration of an organisation's data, emphasising specialised statistical analysis using state-of-the-art data analysis tools like R.

## 05 Business Intelligence Tools and Applications –

Business Intelligence Tools and Applications provide in-depth knowledge of business intelligence concepts, methods, and tools for addressing business problems.

## 07 Introduction to Big Data and Data Science –

Introduction to Big Data and Data Science provides an overview of how big data and data science technologies are transforming business thinking, along with a deeper understanding of how these technologies can enhance marketing and support decision-making.

## 09 MSc Project: –

The MSc Project helps develop a detailed specification for a substantial problem, applying principles and practices learned throughout the course. It involves developing a solution from this specification to implementation and reporting on the results within a fixed time frame. The project also enhances transferable skills, and communication skills, and provides experience working on a major project in a guided yet independent manner.

### Teaching and Assessment: \_\_\_\_\_

The course includes lectures, tutorials, and practical learning, with coursework-based assessments such as projects and case studies to build job-ready skills.

### Career Opportunities: \_\_\_\_\_

Graduates can become Data Warehousing Architects, Business Analysts, Data Scientists, Business Intelligence Managers, or Data Mining Consultants, and take on leadership roles in business intelligence and tech solutions.

### 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

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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

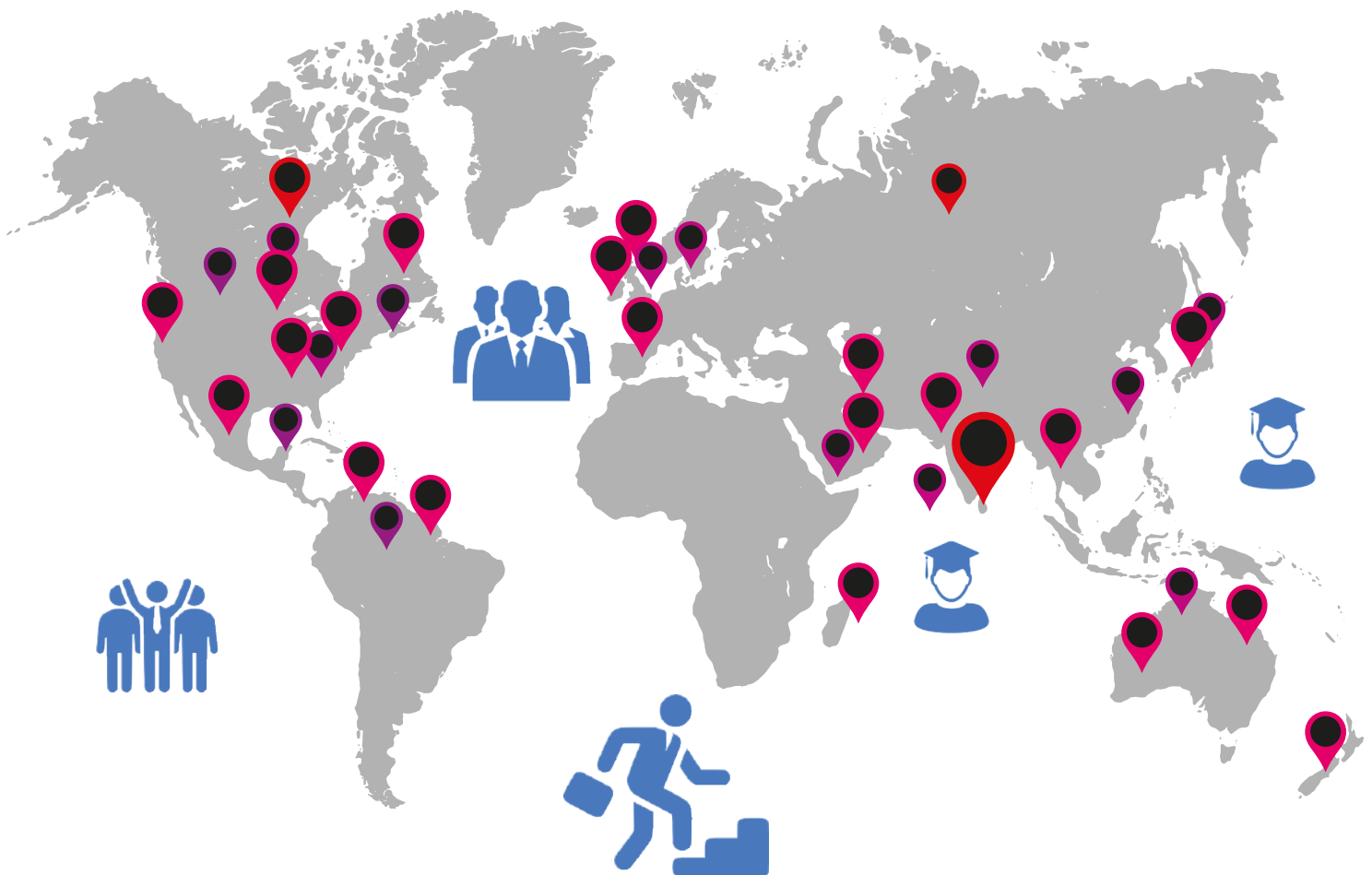
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Sanharsha Jayatissa's career in IT began with a strong education at IIT, where he earned a BSc in Information Systems. He furthered his studies with an MSc in IT and Management, and an MBA, and is currently pursuing a DBA. Starting as a Management 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

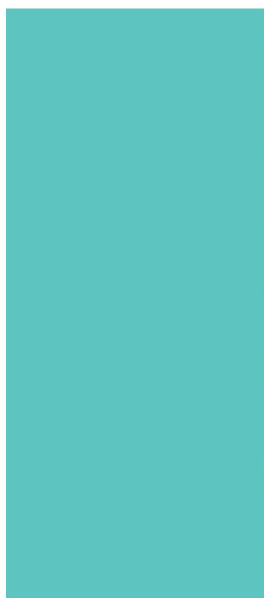
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IIT graduates thrive in diverse industries, contributing their expertise to sectors like Mobile Solutions, IT, Healthcare, Finance, and more. They work with renowned companies such as Unilever, Dialog, Virtusa, Commercial Bank, and Mahindra Comviva, 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:

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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](mailto: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:

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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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