Information Technology & Computer Studies Training Programmes

IATT|SL
INSTITUTE OF ADVANCED TECHNOLOGY TRAINING AND SKILL LABORATORY

PRACTITIONER IN
INFORMATION TECHNOLOGY

FOR CHILDREN - 10-16 YEARS

IATT|SL

INSTITUTE OF ADVANCED TECHNOLOGY TRAINING AND SKILL LABORATORY

About IATT|SL

Change the world through technology

The Institute of Advanced Technology Training and Skill Laboratory (IATT|SL) was established in 2017. IATT|SL is an institution committed to providing services related to academics and training. Our expertise is Technology including Information Technology.

FOR MORE INFO

📞 074 080 7306
076 435 4111
071 692 2129

✉️ info@iattsl.com

➤ iattsl.edu.lk

IATT|SL possesses its own training programs affiliated with SLASSCOM TECHKIDS Code Club and conducts training to guide students to Professional Certifications.
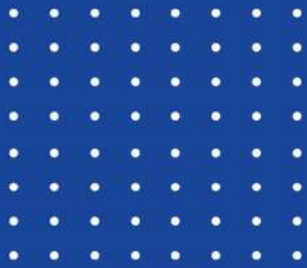
An experienced and qualified pool of trainers and lecturers having both academic and industry experience is our asset to deliver unmatched services to the learners. Having worked with learners of diverse natures, IATT|SL is continuously improving tools and techniques to provide comfortable learning experiences to match different learning needs. The IATT|SL approach in talent development assures learners to grasp knowledge reflected through their own experiences.

IATT|SL is continuously growing with competencies to match with updating learner requirements and interests. Updates of programs, projects, and events of IATT|SL could be found at www.iattsl.edu.lk.

VISION

To become the most sought and trusted academic partner for the training needs of all levels of individuals using technology-based modes of teaching and learning.

MISSION

Provide high-quality education to individuals of any level of knowledge or qualification to meet their training or academic requirement and with the guidance of expertise trainers using technology based teaching and learning modes and hands on practice.

IATT|SL
INSTITUTE OF ADVANCED TECHNOLOGY TRAINING AND SKILL LABORATORY

VALUES

With the involvement of subject professionals and the aid of technological modes for teaching and learning we approach our mission is defined by the values COMMITMENT FOR ACADEMIC, EXCELLENCE, INNOVATION, DIVERSITY and TRUSTED QUALITY.

WE WORK WITH...

SLASSCOM Academy

What is SLASSCOM?

Sri Lanka Association for Software Services Companies (SLASSCOM) is the national chamber for the knowledge and innovation industry in Sri Lanka and acts as the catalyst of growth.

What is SLASSCOM Academy?

This is the learning arm of SLASSCOM. Our aim is to deliver learning opportunities associated with the latest tech aspects; to everyone interested.

Whatever your level of education, experience or expertise, if you have an interest to learn we have the suitable opportunity in store for you.

ICDL Foundation

ICDL Foundation is a Global Social Enterprise dedicated to raising digital competence standards in the Workforce, Education and Society. ICDL Certification is now available in over 100 countries, across our network of more than 20,000 Test Centres, delivering over 70 Million ICDL Certification Tests to more than 16 million people worldwide.

ICDL has developed a suite of programmes that meet the demands of today's digital world. Whether you are working through the ICDL Workforce modules to reach the digital skills standard required for the workplace or you are looking to develop more advanced skills for occupational effectiveness, ICDL has a vast range of modules to choose from, so you can build the ideal digital skill set for your needs.

Collaborating with **SLASSCOM TECHKIDS**

PRACTITIONER IN
INFORMATION TECHNOLOGY

SLASSCOM is the Industry body representing Software and Services Companies in Sri Lanka. TechKids is an initiative by SLASSCOM to encourage and support tech education in the country. Thousands of students learn at 50+ existing code clubs around the country. Join us to demonstrate your superpowers to the world.

TO WHOM	10-16 Year old students (Grade 5-Grade 11)
TECHNOLOGIES	Word, Excel, Scratch, MicroBit, HTML, CSS, Bootstrap, JavaScript, WordPress, Python & Python AI, Canva, Photoshop, Stencil, Processing, Rasberry Pi, Networking, Cyber Security
LESSONS	Theory, Practical, Projects, Workshop, Exhibits
HOW TO LEARN	In Class, Online, Distance Learning
MEDIUM	English / Sinhala
CERTIFICATION	TECHKIDS Certification from SLASSCOM
DURATION	6 Months (24 weeks) per each Level
INVESTMENT	LKR 12,000 - per Level-Payable in Monthly installments (Scholarships & Offers will be available on conditions)

PATHWAYS & TOOLS

LEVEL 5 - Cyber Security & Ethical Hacking

LEVEL 4 - Internet Of Things (IOT) & Artificial Intelligence (AI)

LEVEL 3 - Programming, Game Design & Development

LEVEL 2 - Web Design & Multimedia

LEVEL 1 - IT Essentials

FOUNDATION LEVEL

PROGRAMME LEVELS

LEVEL PROGRESSION

> **Foundation Level**
> **LEVEL 1** - IT Essentials
> **LEVEL 2** - Web Design & Multimedia
> **LEVEL 3** - Programming & Game Development
> **LEVEL 4** - Internet of Things (IOT) and Artificial Intelligence (AI)
> **LEVEL 5** - Cyber Security & Ethical Hacking

FOUNDATION LEVEL

This level provides students with fundamental knowledge in basic computer base applications and educates them on its core concepts which help them to climb the levels successfully.
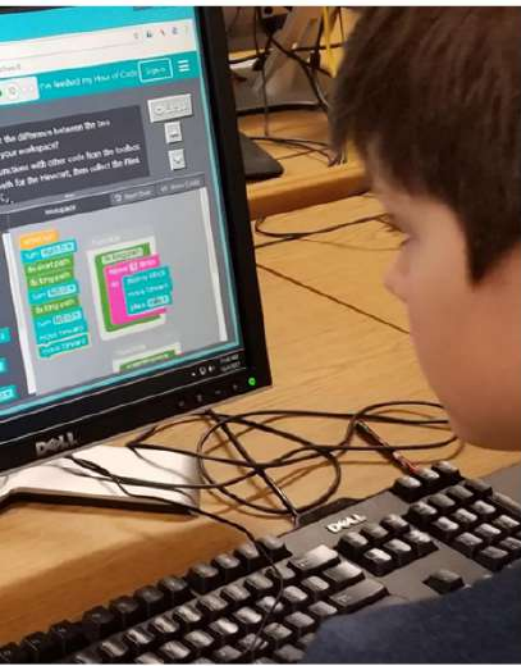
Duration : 6 weeks

PROGRAMME CONTENT

Project 1 – MS Word

Project 2 – MS Excel

Project 3 – Scratch

Project 4 – Micro Bit

Project 5 – HTML/CSS

Project 6 – Python

PROGRAMME LEVELS

LEVEL 1 - IT ESSENTIALS

This level provides students with the fundamental knowledge in computer-based programming and educates them on its core concepts. Moreover, the program also provides hands on experience on WordPress , Canva and Scratch tools.

Duration : 18 weeks

PROGRAMME CONTENT

- Platform Set up
- Project 1.1 to 1.9 - Programming - Scratch
- VALUE ADDED PROJECTS (VAP)
    VAP 1.1 - Design - Canva
    VAP 1.2 - Web Development - WordPress
    VAP 1.3 - Networking
- Exhibit Project 1

TECHNOLOGIES

SCRATCH

CANVA

WORDPRESS

PROGRAMME LEVELS

LEVEL 2 - WEB DESIGN & MULTIMEDIA

This level provides students with the fundamental knowledge in web design and development and also introduction to MicroBit.

Duration : 20 weeks

PROGRAMME CONTENT

- Project 2.1 to 2.7 - Programming - Scratch
- Project 2.8 to 2.9 - Embedded Programming - Micro Bit
- Project 2.10 to 2.11- Web Design-HTML/ CSS
- VAP 2.1 - Web Design - HTML
- VAP 2.2 - Web Styling - CSS / Bootstap
- VAP 2.3 - Graphic Design - Photoshop
- Exhibit Project 2

TECHNOLOGIES

 SCRATCH   MICROBIT

 HTML   PHOTOSHOP

 CSS   BOOTSTAP

PROGRAMME LEVELS

LEVEL 3 - PROGRAMMING & GAME DEVELOPMENT

This level provides students with the intermediate knowledge in computer programming and game development. Moreover, the program also provides hands on experience on Stencyl and processing softwares.

Duration : 18 weeks

PROGRAMME CONTENT

- Project 3.1 to 3.6 - Programming - Scratch
- Project 3.7 to 3.8 - Programming - Python
- Project 3.9 to 3.10- Embedded Programming - Micro Bit
- VAP 3.1 - Programming – JavaScript
- VAP 3.2 - Programming – Stencyl
- VAP 3.3 - Programming – Processing
- Exhibit Project 3

TECHNOLOGIES

SCRATCH   MICROBIT

PYTHON   STENCYL

CSS   PROCESSING

PROGRAMME LEVELS

LEVEL 4 - INTERNET OF THINGS & ARTIFICIAL INTELLIGENCE

This level provides students with the fundamental knowledge in Internet of Things and artificial Intelligence.

Duration : 19 weeks

PROGRAMME CONTENT

- Project 4.1 to 4.5 - Programming - Python
- Project 4.6 to 4.8 - Web Design - HTML/ CSS
- Project 4.9 to 4.11 - Embedded Programming - Micro Bit
- VAP 4.1 - Robotics - Raspberry Pi
- VAP 4.2 - Artificial Intelligence - Python AI
- VAP 4.3 - Data Science - Python
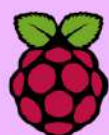- Exhibit Project 4

TECHNOLOGIES

PYTHON & PYTHON AI

MICROBIT   **HTML**

RASPBERRY PI   **CSS**

PROGRAMME LEVELS

LEVEL 5 - CYBER SECURITY & ETHICAL HACKING

This level provides students with the fundamental knowledge in Cyber Security and educates them on its core concepts in Ethical Hacking.

Duration : 23 weeks

PROGRAMME CONTENT

- Project 5.1 to 5.9 - Programming - Python
- Project 5.10 to 5.15 - Web Design - HTML/ CSS
- VAP 5.1 - Security Threats
- VAP 5.2 - Cyber Security
- VAP 5.3 - Ethical Hacking
- Exhibit Project 5

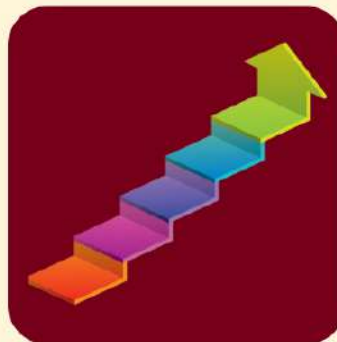## TECHNOLOGIES

PYTHON & PYTHON AI

MICROBIT

HTML

RASPBERRY PI

CSS

ACTIVITY BASED LEARNING

PERSONALIZED GUIDANCE

LEVEL WISE PROGRESSION

CERTIFICATE ON COMPLETION
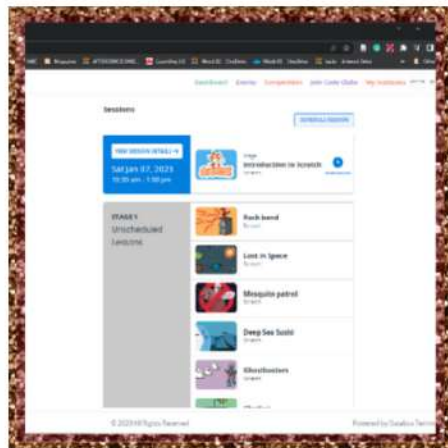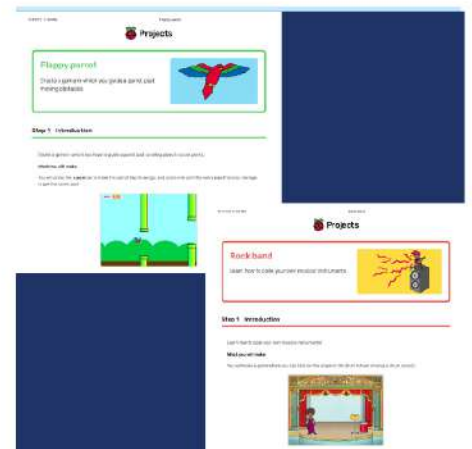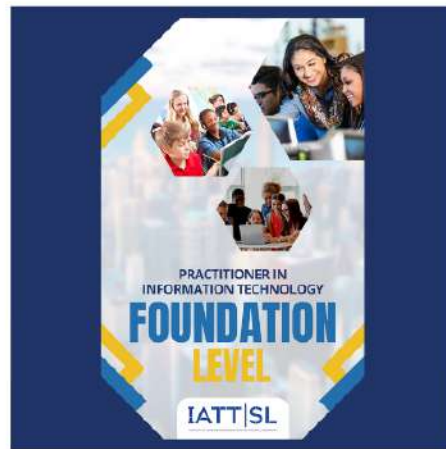
WHAT DO YOU EXPERIENCE

- ☑ Computational Thinking
- ☑ Creative Expression
- ☑ Application of Technology
- ☑ Critical Thinking
- ☑ Problem Solving
- ☑ Building Programs
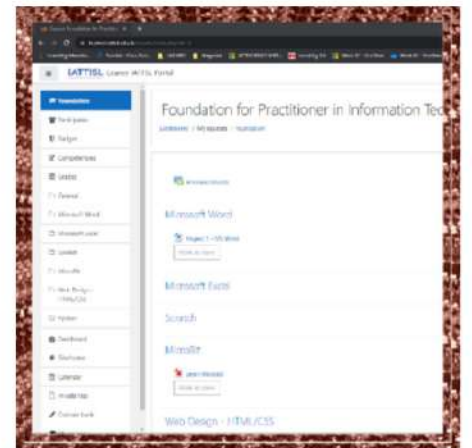- ☑ Logical Implementation
- ☑ Composition

SKILLS YOU LEARN

LEARNING RESOURCES

TEXT BOOK & E-BOOKS

PRACTITIONER IN INFORMATION TECHNOLOGY
FOUNDATION LEVEL
IATT|SL

E-LEARNING PLATFORMS

STUDENT PROGRESS RECORD

PRACTITIONER IN INFORMATION TECHNOLOGY

PROGRESS TRACKER

IATT|SL   TECHKIDS

PROGRESS UPDATE FOR FOR LEVEL 1 – IT ESSENTIALS

MODULE CODE	MODULE NAME	ALLOCATED DURATION	START DATE	END DATE	STUDENT SIGNATURE	TRAINER SIGNATURE
L1M01	Project 1.1 - Platform Setup	1 Week				
L1M02	Project 1.2 - Scratch	1 Week				
L1M03	Project 1.3 - Scratch	1 Week				
L1M04	Project 1.4 - Scratch	1 Week				
L1M05	Project 1.5 - Scratch	1 Week				
L1M06	Project 1.6 - Scratch	1 Week				
L1M07	Project 1.7 - Scratch	1 Week				
L1M08	Project 1.8 - Scratch	1 Week				
L1M09	Project 1.9 - Scratch	1 Week				
L1M10	Project 1.10 - Scratch	1 Week				

WORKSHOPS, WEBINARS & EXHIBITIONS

Education

Kids unleash their creative coding skills at SLASSCOM TechKids

By Lin J - 2020-06-15

Coding is a form of creative expression. The recently held SLASSCOM Tech Coding competition is a prime example of that. Since the start of the lockd

TRAINING PLAN

FOUNDATION LEVEL

	DATE	CONTENT
INAUGURATION	10 December 2022 Saturday	Programme Introduction Resource and Platform Setting Up
WORKSHOP	17 December 2022 Saturday	Introductory Practical Projects Group Activities
WEEK 1	07 January 2023 Saturday	Project 1 - MS Word
WEEK 2	14 January 2023 Saturday	Project 2 - MS Excel
WEEK 3	21 January 2023 Saturday	Project 3 - Scratch
WEEK 4	28 January 2023 Saturday	Project 4 - Micro Bit
WEEK 5	11 February 2023 Saturday	Project 5 - HTML/CSS
WEEK 6	18 February 2023 Saturday	Project 6 - Python

REGISTER NOW!

Registrations are OPEN till **07 January 2023 Saturday**

TRAINING PLAN

LEVEL 1 IT ESSENTIALS

	DATE	CONTENT
WEEK 7	25 February 2023 Saturday	Platform Set up
WEEK 8	04 March 2023 Saturday	Project 1.1 - Scratch
WEEK 9	11 March 2023 Saturday	Project 1.2 - Scratch
WEEK 10	18 March 2023 Saturday	Project 1.3 - Scratch
WEEK 11	25 March 2023 Saturday	Project 1.4 - Scratch
WEEK 12	01 April 2023 Saturday	Project 1.5 - Scratch
WEEK 13	08 April 2023 Saturday	Project 1.6 - Scratch
WEEK 14	22 April 2023 Saturday	Project 1.7 - Scratch
WEEK 15	29 April 2023 Saturday	Project 1.8 - Scratch
WEEK 16	06 May 2023 Saturday	Project 1.9 - Scratch
WEEK 17	13 May 2023 Saturday	Value Added Projects (VAP) 1.1 Design - Canva
WEEK 18	20 May 2023 Saturday	Value Added Projects (VAP) 1.2 Web Development - WordPress
WEEK 19	27 May 2023 Saturday	Value Added Projects (VAP) 1.3 Networking
WEEK 20/21	03 & 10 June 2023 Saturday	Exhibit Project 1

REGISTER NOW!

Registrations are OPEN till **07 January 2023 Saturday**

Open Registration

DEC/JAN INTAKE

PRACTITIONER IN INFORMATION TECHNOLOGY

INAUGURATION
10th December 2022 Saturday

WHEN THE LESSONS START?
from 7th January 2023 Saturday

WHAT TIME IS THE CLASS?
Saturday 10.30am - 01.00pm

WHERE IS THE CLASS?
LAS Institute Battaramulla
https://goo.gl/maps/WacdcQuVS6AQbZNx8

REGISTRATION PROCESS

Registrations are **Open Now** and
valid till **7th January 2023**

ANY STUDENT OF GRADE 6, 7, 8, 9, 10 AND 11 CAN ENROLL

STEP 1

1. FILL THE REGISTRATION FORM

- **Option 1:** Visit LAS Institute Office and fill out the form.
- **Option 2:** Fill out the REGISTRATION FORM via the below link
  https://iattsl.edu.lk/inquiry-form/

2. OBTAIN STUDENT REGISTRATION NUMBER

STEP 2

MAKE THE PAYMENT & OBTAIN RECEIPT

Full Course Fee: Rs. 10,000
Installments :

- Installment 1 (at registration) - LKR 4,000
- Installment 2 (During 2nd month) - LKR 2,000
- Installment 3 (During 3rd month) - LKR 2,000
- Installment 4 (During 4th month) - LKR 2,000

Payment Options :

- Option 1: Pay in Full
- Option 2: Pay in Installments according to the installment plan mentioned above

Payment Modes :

- Mode 1: Pay in cash at LAS Institute, Battaramulla office
- Mode 2: Pay ONLINE via
  https://techlab.lk/OnlinePaymentiattsl/index.php
- Mode 3: Bank Transfer to the following bank details
  Account Number: 108214030129
  Account Holder Name: INSTITUTE OF ADVANCED TECHNOLOGY TRAINING AND SKILL LABORATORY
  Bank: SAMPATH BANK   Branch: NAWALA

STEP 3

COLLECT TEXTBOOK, PROGRESS TRACKER AND SET UP E-LEARNING PLATFORMS

LEARN.TRAIN.GROW
Get in Touch

IATTSL

Contact Information

Website   iattsl.edu.lk

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Phone   076 435 4111
071 692 2129
074 080 7306

Social Media   IATTSL