



MEU LABS

LEARN IT DIFFERENT

01

What is **Meu Labs?**

Meu Labs is an open and collaborative learning environment designed to revolutionise STEAM education using project based learning to give students a unique learning experience. Our holistic ecosystem allows your child to explore multiple technologies, industry domains, and creative outlets to gradually understand their own strengths and passions.

We are not just another traditional classroom with exams, grades, or a fixed curriculum that frames unique and creative minds. We recreate a collaborative space where students work as teams to tackle complex and engaging projects that are designed and developed with specific learning outcomes in mind. Students acquire decision making and problem solving skills while scaffolding their theoretical understanding and building competencies in specific technology tools.

Under the guidance of nurturing facilitators who are professionals with a wealth of industry experience from around the world, we allow your child to explore their passions, professionalise their skills, and inspire them to create their own paths to success.

At Meu Labs, learning is not a tedious task but a fun game!

02

Why Meu Labs?

- Help your child become career ready from an early age.
- Follow a curriculum that is inspired by world class Institutions
Such as the Massachusetts Institute of Technology and Elon Musk's
Ad Astra.
- Build your child's personal portfolio to secure admission to world class
universities
- Work with world class Engineers, Scientists and Professionals.
- Allow your child to understand their own strengths and passions
through experiential learning



03 Our Team

Your child will obtain valuable exposure from working and learning with a highly educated and professional team of Engineers, Computer Scientists, Educators, and Mathematicians, who have studied in the best universities in the world such as the Massachusetts Institute of Technology, USA.

They bring with them the expertise of working in countries such as the United Kingdom, United States, Singapore, India, and Sri Lanka across diverse industries such as Education, Data Science & AI, Software Engineering, Banking & Finance, Agriculture & Biotechnology, and Renewable Energies.



04 Our Ecosystem

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Our Ecosystem

Fundamentals



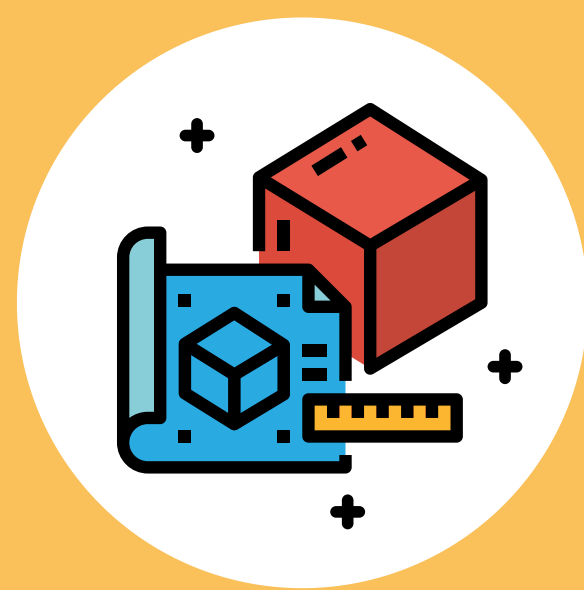
Knowledge Explorers

Learning Paths



Analytics

Focussed on Computer Science, Data Analytics, Economics & Finance, and Scientific Research.



Product Design

Focussed on Hands-on Making, Robotics, Electronics & IOT, and Manufacturing.



Creative Expression

Focussed on Writing, Graphic Design, Video Production, Music, Theatre, and Art.

Specialisations

- Academia
- Artificial Intelligence
- Astronomy
- Bioinformatics
- Computer Science
- Data Analytics
- Data Science & Mining
- Economics and Finance
- Networking and Cyber Security
- Software Engineering

- Aerospace Engineering
- Biotechnology
- Electronics & IOT
- Energy systems
- Industrial Manufacturing
- Micro Controller Designs
- Nano Engineering
- Product Design
- Robotics

- Craft arts
- Design
- Fine arts
- Multimedia Production
- Performing arts
- Writing and Communication

Personal Portfolio

Academic Mentorship

International University Network

Incubator Hub

SEED Fund/Investor Network

Talent Hub

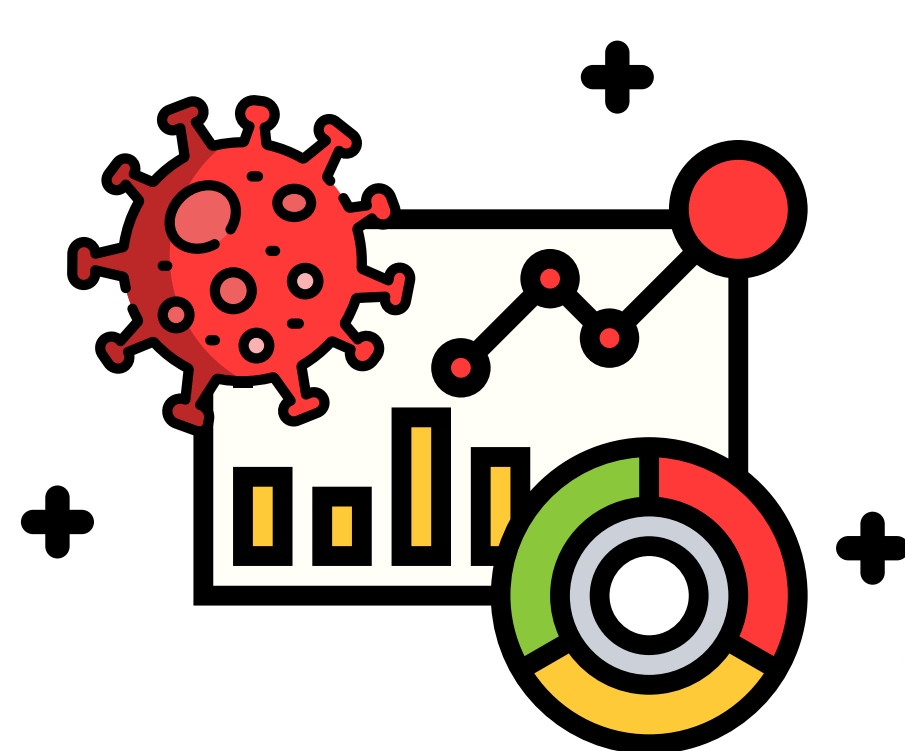
Organisational Partners

05 Knowledge Explorers

05 Analytics Learning Path

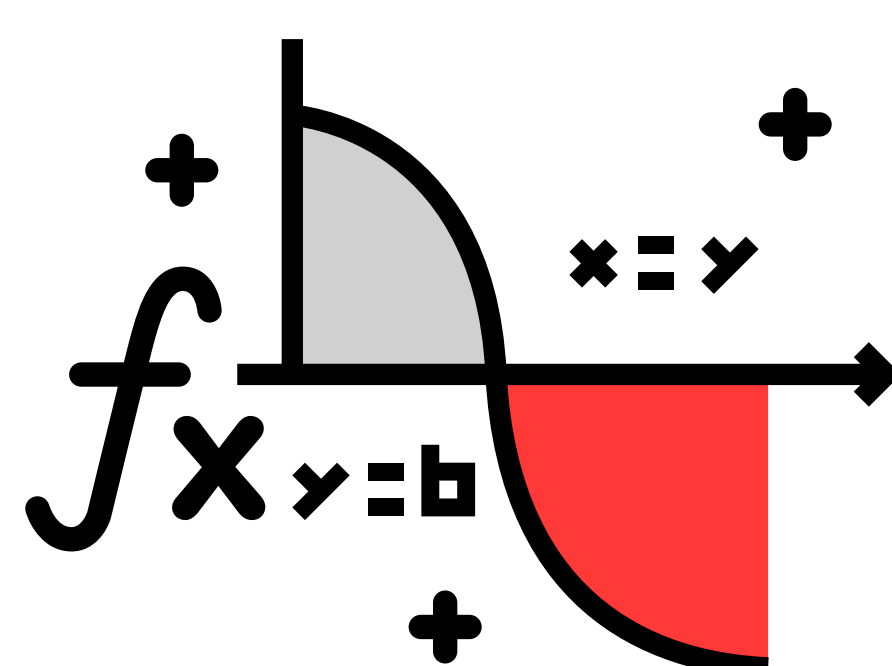
Theme

Solve a series of puzzles around combatting the effects of the covid-19 pandemic



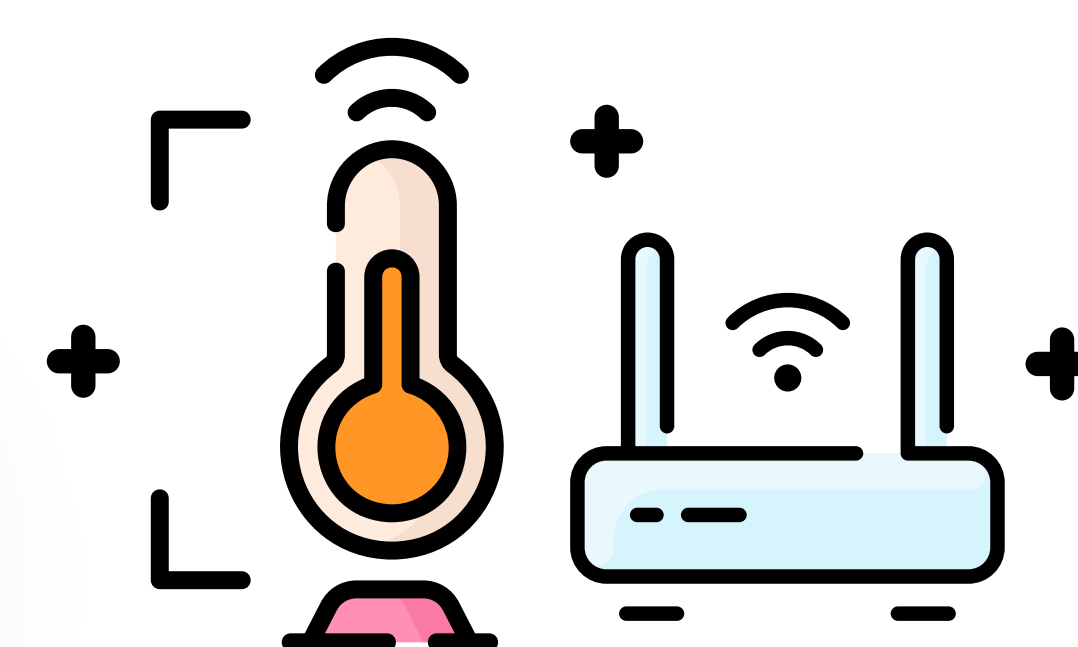
Covid Monitoring Dashboard

Python, Colab, Streamlit



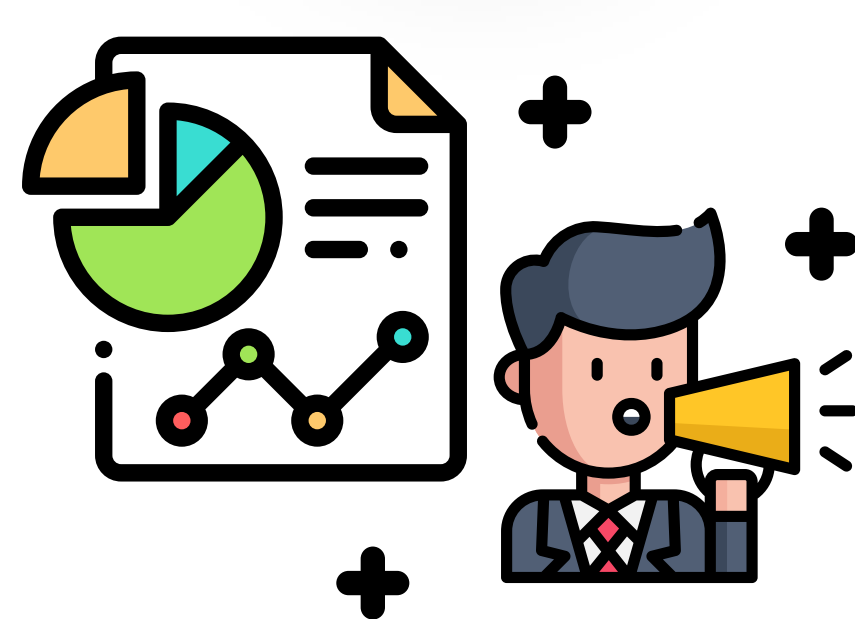
Deconstructing the Epidemic Curve

Excel



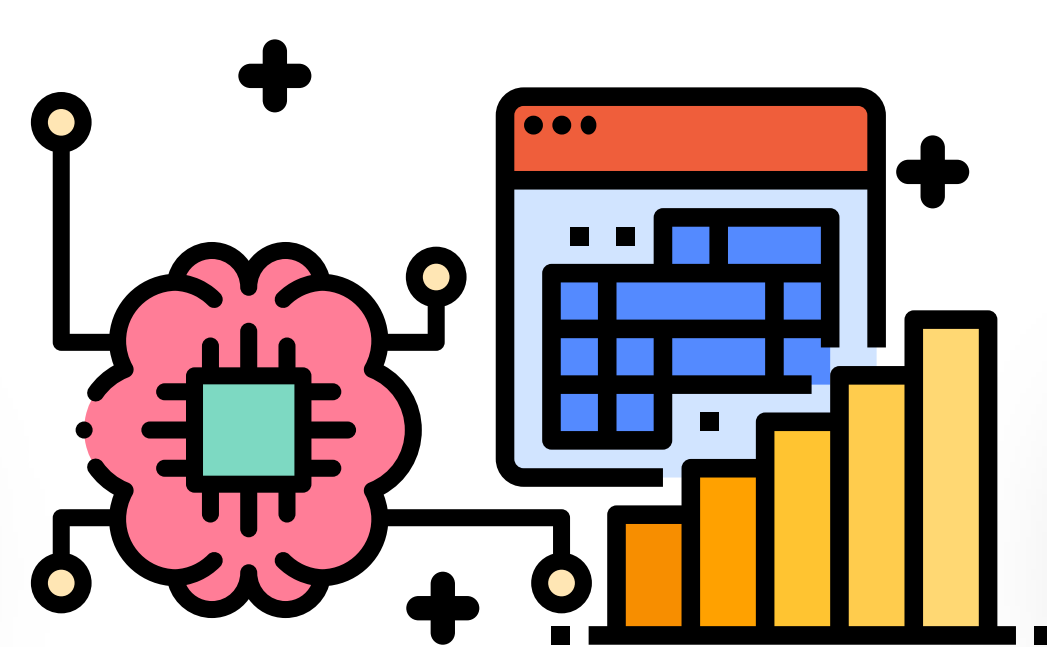
DIY Temperature Sensor

IR Sensor, IC



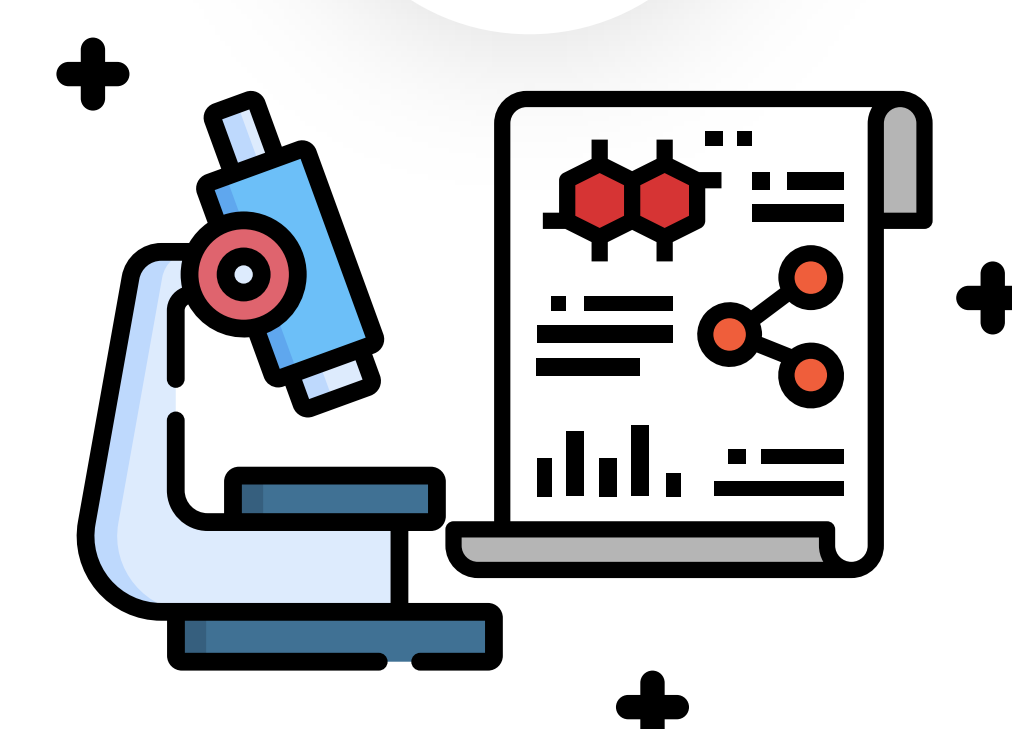
Pandemic Control Center

A simulated game



Forecasting Covid-19 with AI

Kaggle, Github



Scientific Research & Writing

Google Docs, Zotero, Mendeley

On completion of these 6 puzzles students will work on a personal project under the guidance of our Instructors.

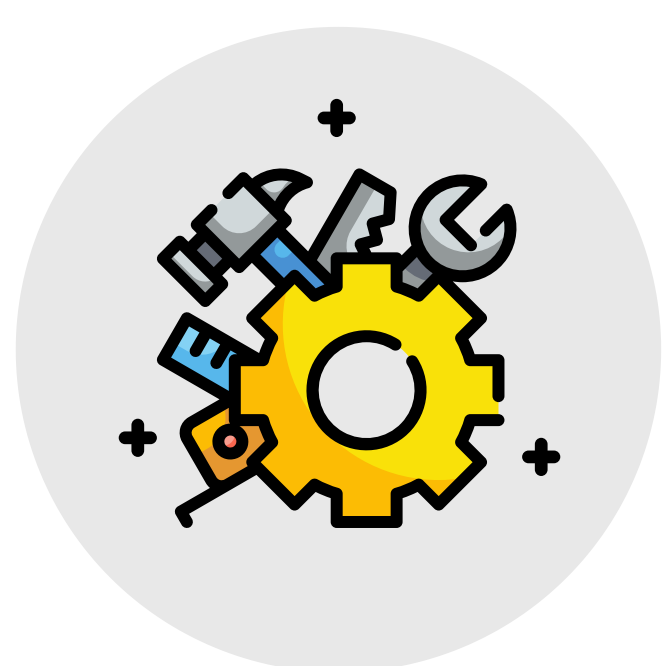
06 Class Structure

Meu Labs classes are designed to be student centric with a maximum class size of 20 heads where each student will be assigned to a team of 4. Individual attention is given to each student and a class will have a dedicated tutor who is always available to support and guide our young learners along the way.

Meu Labs classes will have 3 main session components



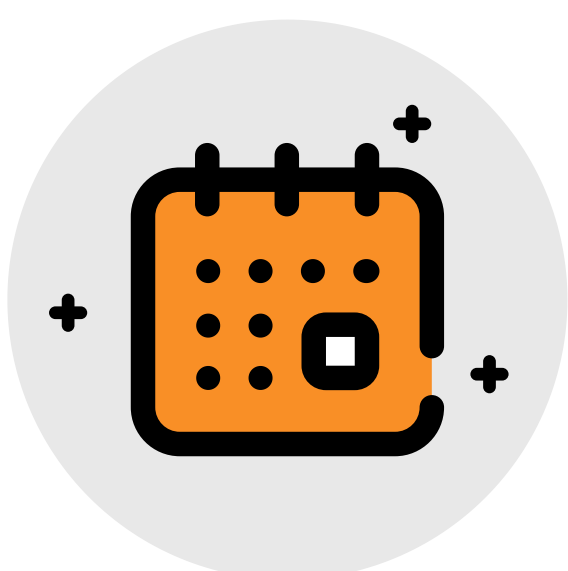
Tutorial Session – A structured two hour session designed to orient young learners with career focused technology tools



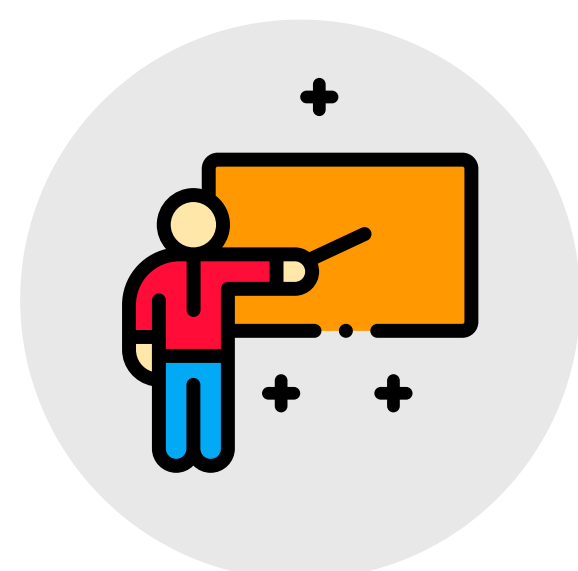
Lab Session – A semi-structured one hour workshop where students participate as a group to provide creative tech solutions to solve the weekly puzzle



Synthesis Spell – A pedagogical mechanism embedded in the tutorial and lab sessions to develop problem solving and creative thinking abilities



04 Months



32 Sessions



50 Hours



Personalised
Support



Teacher Student
Ratio
1 : 4

07 Targetted Skills

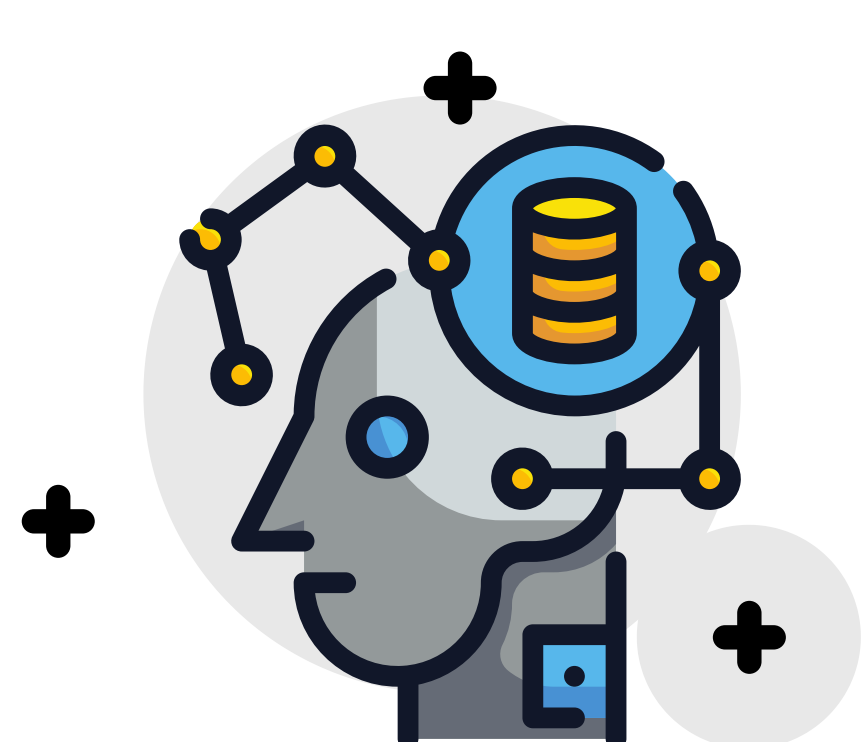
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Targetted Skills



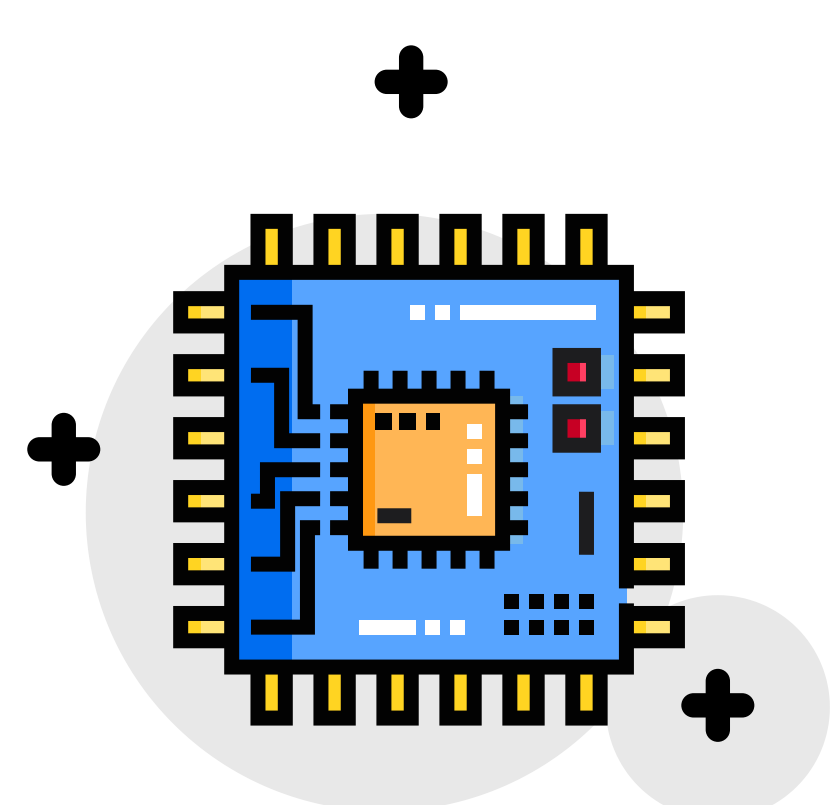
Programming

- Programming syntax and paradigms
- Application programming interfaces
- Frontend design and UI/UX



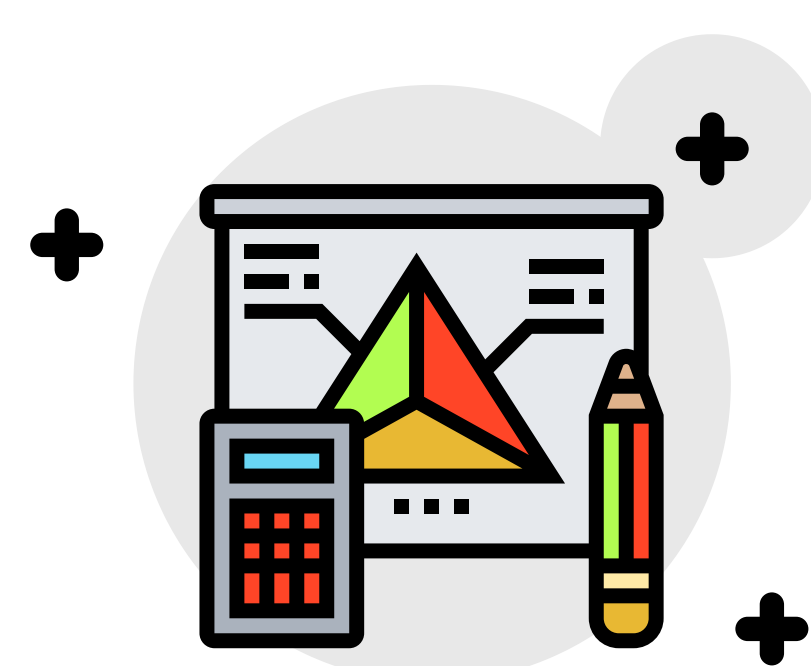
Data Science & Machine Learning

- Database setup storage and data retrieval
- Exploratory data analysis and data pipelines
- Machine learning and forecasting



Electronics

- Logic gate operations and components
- IC based electronics and sensors
- Lower level computer memory and storage



Mathematics

- Calculus and numerical methods
- Usage of compartmental simulation models
- Financial modelling and simulations



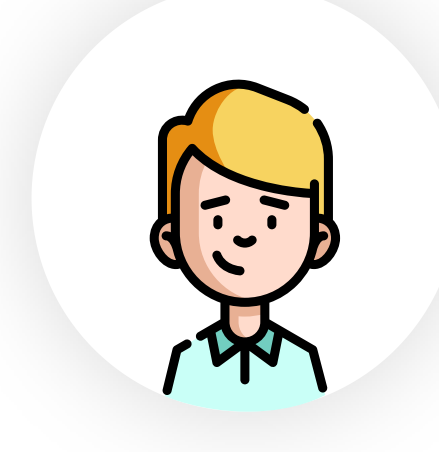
Research

- Research and information gathering
- Scientific writing and written communication
- Collaborative research

Student
Testimonials

Akein Ruwanpathirana,
2021 August
★★★★★

If You Are Finding For A Place Where You Want To Be A Knowledge Explorer Or A Person Who Likes To Learn Things That Will Never Have Met You, Then This Is The Place! This Class Is Very Amazing, Enthusiastic, Unbelievable And Extraordinary!



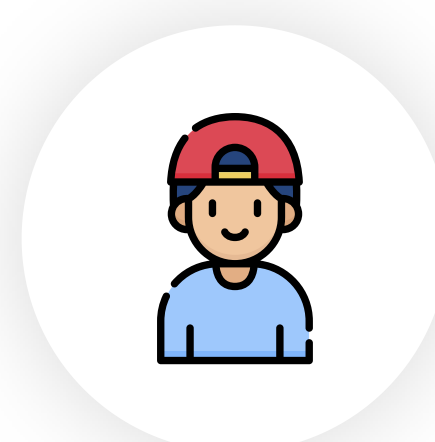
Nicole Jacob,
2021 August
★★★★★

This was a really fun experience. I loved the session was always looking forward for it. It was fun and I learned a lot of new things. I highly recommend others to join this.



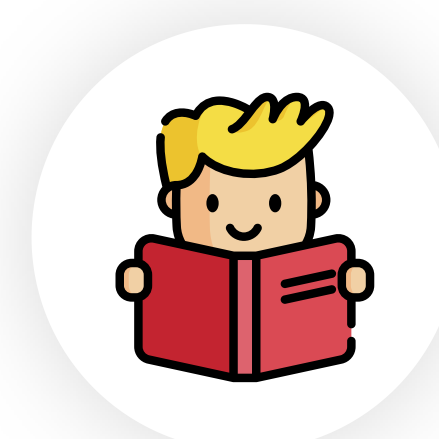
Sandalu Weerasooriya,
2021 August
★★★★★

I enjoyed all of the puzzles and all of those really helped in developing our team spirit. And the teachers constantly interact with us and reach out to us when we need help in making and developing things. Meu labs gave me a really good knowledge on coding, 3D designing etc. I encourage everyone to join with them and have fun..😊😊❤️



Pragarshan Prabakaran,
2021 August
★★★★★

I like meu labs especially when you work as a team, I had so much fun and also you can make your OWN mars rover at home. the people who conduct the class will send the parts to make it you can also control the rover with any device. I had a great time during these sessions😊. I highly recommend others to join this



Nejaan Siriwardena,
2021 August
★★★★★

I really enjoyed this course and I highly recommend this course to everyone. Thank you teachers.

Student testimonial video



09 Our Locations

09

Singapore

- 📍 417, Yishun Avenue 11, #01-331, Singapore
- ☎ +65 9389 2999



Australia

- 📍 No 86, Clairmont Avn, Cranbourne, 3977, Australia
- ☎ +61 4445 15267



Sri Lanka

- 📍 No 3, Collingwood Pl, Colombo 00600, Sri Lanka
- ☎ +94 7183 23128

