

CREATING EXPERTS FOR THE FUTURE

Productivity

Creativity

FOR FURTHER INFORMATION KINDLY CONTACT: +603-5122 0701 / 0703

MITstem[™]
MASSIVE OPEN ONLINE COURSES
INTERNATIONAL SCHOOL
CREATING EXPERTS FOR THE FUTURE

MIT Academy Sdn Bhd (647236-A)
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About Us

We are pleased that you are considering MITstem International School for your child.

We are a friendly and happy school with a strong sense of community. Respect, empathy, creativity, and independent learning are a priority at MITstem, as we understand that a good education is not just about exam results, but also the emotional and social development of our children.

In addition to a rigorous academic programme, we offer a rich extracurricular calendar, including day and residential trips, after school clubs, work experience, and a colourful array of school and inner-school events designed to develop students at all levels.

Through our well-balanced curriculum, we seek to discover our children interest and strengths. We engage continuously with parents, through regular communication with whatsapp group, to ensure our students are continually working towards their academic excellence, achieving their full potential, and overcoming any obstacles that may arise in the course of their learning.

Every member of our school is encouraged each day to participate actively in all school events and activities and to make a positive difference to the lives of those around them.

If you would like addition information, please contact the Admission Office.

What is STEM ?

- STEM is a curriculum based on the idea of educating students in four specific disciplines — Science, Technology, Engineering and Mathematics — in an interdisciplinary and applied approach.
- STEM integrates them into a cohesive learning paradigm based on real-life applications.
- STEM embraces the 4 C's i.e. Creativity, Collaboration, Critical Thinking, and Communication.

Why is STEM Important ?



Learning About the Future

This prepares children for upcoming technological innovations by learning across different environments, contexts, and through a holistic learning process.



Develops Application Skills

With STEM, it enables students to develop **Critical Thinking**, **Problem Solving**, **Communication**, **Creativity**, **Perseverance**, **Determination** and so much more.



Career Opportunities & Advantages

STEM graduates and jobs are highly in demand and rewarding.



STEM Education is Fun!

Interesting and motivating to students. **Incorporating** interactive teaching and hands on experience.





Vision

**Global Technology
Training Institution and
STEM International
School providing
education and career
advancement creating
experts for future.**

Note : STEM – Science, Technology,
Engineering and Mathematics

Mission

We are committed to provide meticulous and technological enhanced curriculum and learning experiences.

We aspire to provide valued services to all our stakeholders – learners, associates, partners, clients, shareholders, investors, government and community.

We are committed to develop and sustain quality standards, knowledge and skills for learners empowerment, professional development and global competitiveness.

**We are committed to
provide meticulous
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Our Milestone

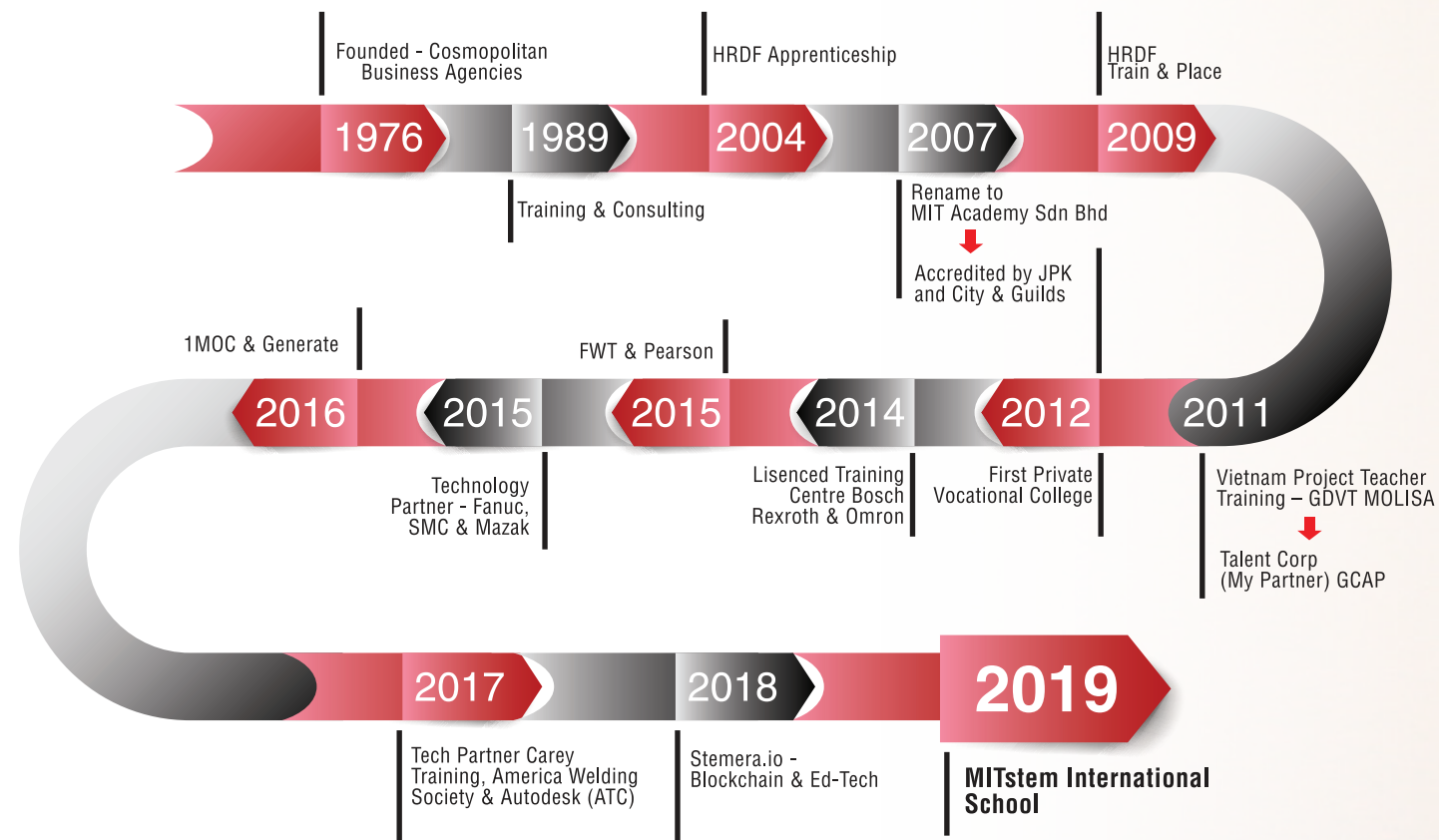
Established in 1976 as a rattan furniture manufacturer under Cosmopolitan Business Agencies (CBA). In 1989, it has changed its operation to training and consultancy. In 2004, the CBA officially changed its name to MIT Academy Sdn Bhd.

MIT Academy is a technical college offering engineering skills courses to school leavers accredited by Department of Skill Development (DSD), Ministry of Human Resources No. L01956 License. MIT Academy Sdn Bhd conducted under Human Resources Development Fund (HRDF) License No. 647236A fully Funded Programmes under Inbase, Generate and Future Workers Training. MIT Academy has provided training and education to almost 5,000 students and industries staff.

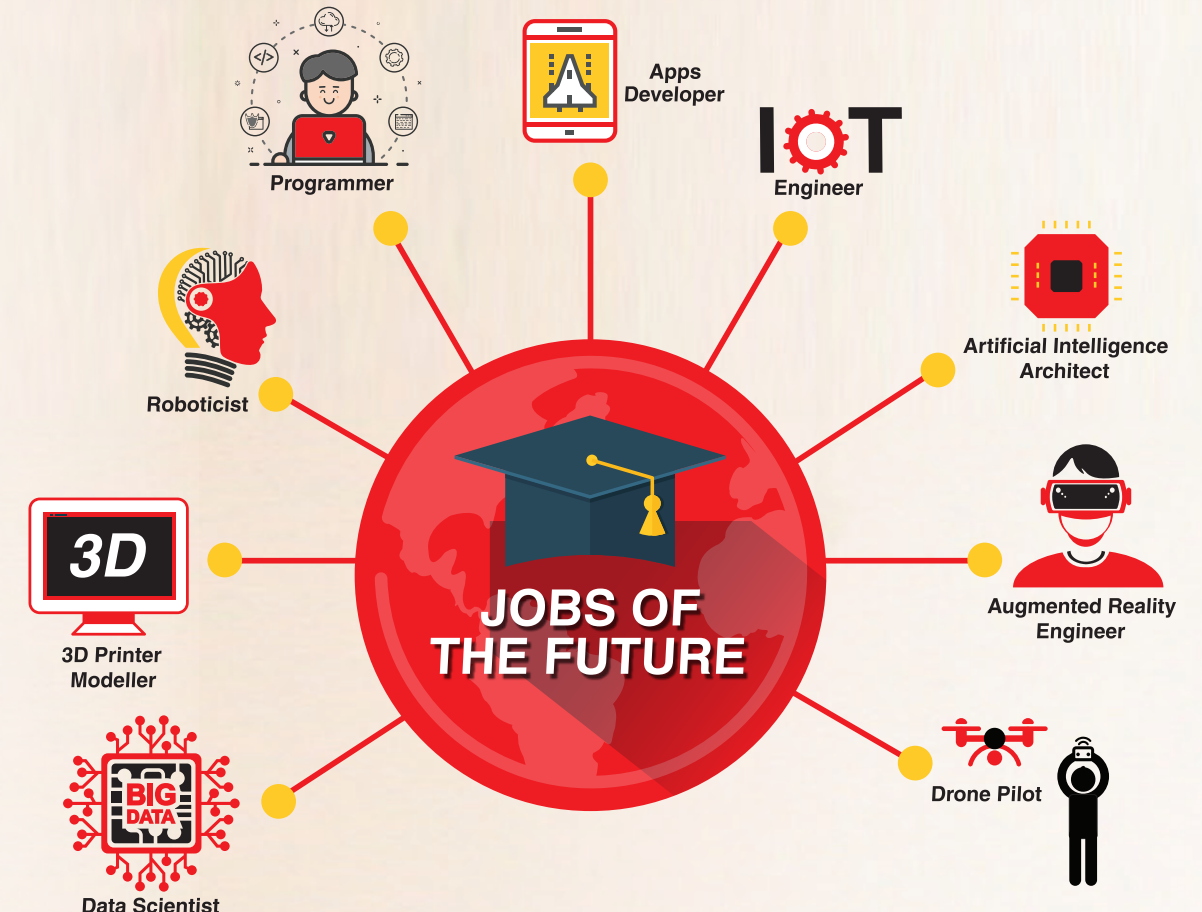
In October 2012, the Ministry of Education has appointed MIT Academy as the first **Private Vocational College** offering the Malaysian Vocational Diploma programme for the PT3 graduate students for a 4-year diploma programme.

In 2015, MIT Academy Sdn Bhd appointed by **Omron & Bosch Rexroth** - creator of Industry 4.0 as a Licensed Training Partners (LTC) & **Autodesk & Carey Training** Authorised Training Center(ATC). By 2016, MIT Academy has become technology partner for **Fanuc, SMC** and **MAZAK**.

Moving towards 2019 MIT Academy will commence into International School called **MITstem International School**. At MITstem, we believe that a good education is not just about exam results, but also the emotional and social development of our children. We offer a rich extracurricular calendar, including day and residential trips, after school clubs, work experience, and a colourful array of school and inner-school events designed to develop students at all levels including a makerspace for creativity and development.

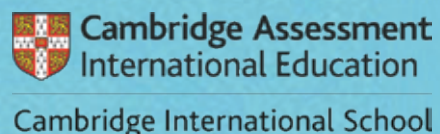


We are committed to develop and sustain quality standards, knowledge and skills for learners empowerment, professional development and global competitiveness.



Certification

- Cambridge (IGCSE) Certification
- Preferred Education Partner - AdvancED



HybriCert Stem Certification

- Multiple Certification

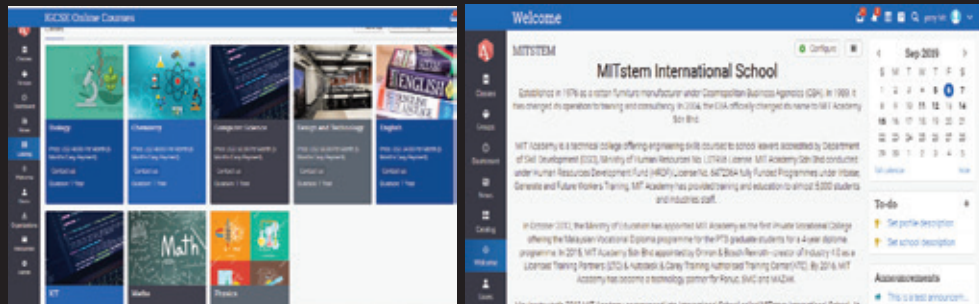
Value Proposition

- Licensed Training Certificates
- AdvancED Stem
- Pathway to universities



Study Tour to Selected Companies

MITstem Massive Open Online Course



MITstem Massive Open Online Course (MOOC) offers Cambridge IGCSE subjects and the latest STEM courses with Blockchain Technology Certification for K-12 learners.

We are empowering learners for jobs of the future like data scientist, roboticist, and IoT engineer. Our e-learning curriculum comprises academic and technology syllabus featuring Cambridge IGCSE subjects and technology courses from Bosch Rexroth, Omron, Fanuc, Autodesk and more. Coding, programming, computer-aided design & 3D printing, programmable logic control, ElectroHydraulic, ElectroPneumatic, robot programming, drone piloting and modular mechatronic system 4.0 are available online as well.

The MOOC features live practical training with shipped learning kit. Remote access to Industry 4.0 equipment and laboratories are available to learners who have limited access. STEM certification with unique DNA barcode and blockchain authentication will be awarded upon online course completion. Visit www.mitstem.com for more information.



Key Features

- Interactive Learning Content
- Instant Chat with Subject
- Specialists
- Online Question & Answer Sessions
- Chat Forums
- Live Online Lessons
- Student Tracker
- Marked Assignments
- Marked Mock Exams
- Final Reports
- Cambridge IGCSE Exam at MITstem International School



UNITED STATES

1. Google
2. AWS
3. Microsoft
4. Siemens

MALAYSIA

1. Omron
2. FANUC
3. Microsoft
4. Honda
5. Facebook

CHINA

1. Dji Drone
2. Alibaba
3. Tencent

JAPAN

1. Toyota
2. Fanuc

GERMAN

1. Porsche
2. Bosch Rexroth

THAILAND

1. BMW
2. DUCATI



Our Curriculum

Class sizes are small, enabling our girls and boys to be challenged and supported in every aspect of their work. Our innovative and dynamic curriculum allows them to explore the world in which we live, and begin to understand, admire and question it.

The aim of the MITstem's curriculum is to develop intellectual curiosity and foster a love of learning that will last a lifetime.



Our innovative and dynamic curriculum allows them to explore the world in which we live, begin to understand, admire and question it.

Primary Curriculum Key Stages 1 (Year 1-2)

- Subjects:
- English
 - Mathematics
 - Science
 - Malay
 - Mandarin
 - Drama
 - ICT
 - Art

Primary Curriculum Key Stages 2 (Year 3-6)

- Subjects:
- English
 - Mathematics
 - Science
 - Malay
 - Mandarin
 - Drama
 - ICT
 - Art

Secondary Curriculum Key Stages 3 (Year 7-9)

- Subjects:
- English
 - Mathematics
 - Science
 - ICT
 - Physical Education
 - Mandarin/ Malay/ Moral/ Islamic Studies/ Bible Knowledge
 - Design & Technology (To Choose)
 - Arduino
 - Coding and Programming
 - AutoCAD
 - PLC Programming
 - Hydraulics
 - Pneumatics
 - Office 365
 - Goggle Suite

Secondary Curriculum Key Stages 4 IGCSE (Year 10-11)

- Subjects:
- English
 - Mathematics
 - Global Perspectives
 - ICT
 - Biology
 - Chemistry
 - Physics
 - Computer Science
 - Mathematics – Additional
 - Economics
 - Business Studies
 - Physical Education
 - Mandarin/ Malay/ Moral/ Islamic Studies/ Bible Knowledge
 - Design & Technology (To Choose)
 - AutoCAD
 - Robotics Programming and Simulation
 - Modular Mechatronics
 - System Industry 4.0
 - PLC Programming
 - Electro - Hydraulics
 - Electro - Pneumatics
 - Office 365
 - Google Suite

Cambridge Advanced

18 to 19
Years Old*

- Cambridge International AS and A Level

Cambridge Secondary 2

16 to 17
Years Old*

- Cambridge IGCSE
- Cambridge O Level

Cambridge Secondary 1

13 to 15
Years Old*

- Cambridge Secondary 1
- Cambridge Checkpoint
- Cambridge ICT Starters

Pre-Requisite

- SK, SRJK(c) & Homeschooling

**Educational
level**



The Benefits of Secondary Education Programme


1. MITstem secondary school curriculum provides students with a holistic STEM education comprising **Science, Mathematics, Technology and Engineering literacy and application** using Cambridge Assessment International Education and STEM curriculum.
2. Students will be obtaining 3 main certifications including **Cambridge IGCSE, STEM certification and Licensed Training Certificate** from either **Microsoft, Bosch Rexroth, AUTODESK or FANUC** upon completing Year 11 with MITstem
3. MITstem uses **impactful teaching and learning methods** namely, classroom activities, hands-on practical learning in the laboratories, experiments, demonstration, online learning and project based learning. These methods enhance students' engagement, understanding and long term memory.
4. The curriculum enhances students' motivation to learn as the STEM lessons are relevant to daily lives as we teach **real world solutions, applications and technological skills**.
5. Emphasis on STEM approach to build students' social value and teamwork skills through **collaborative projects**.
6. The syllabuses for Design & Technology (D&T) and Information Communication Technology (ICT) enhances **computational thinking, design thinking and higher order thinking** to solve real world problems with the latest technology.
7. Our teachers focus on **character building** by teaching on social emotional learning and offering one-to-one counselling sessions for students.
8. **Physical education** with extra curricular on sports are conducted to enhance students' physical well being.
9. In Year 10-11, students get to specialise in a **professional certification programme** (Bosch Rexroth, Omron or Autodesk) to gain a competitive edge for tertiary and career pathway.

MITstem INTERNATIONAL SCHOOL will be established in line with STEM Initiative in Malaysia Education Blueprint 2013 – 2025 to prepare students with skills to meet the science and technology challenges.

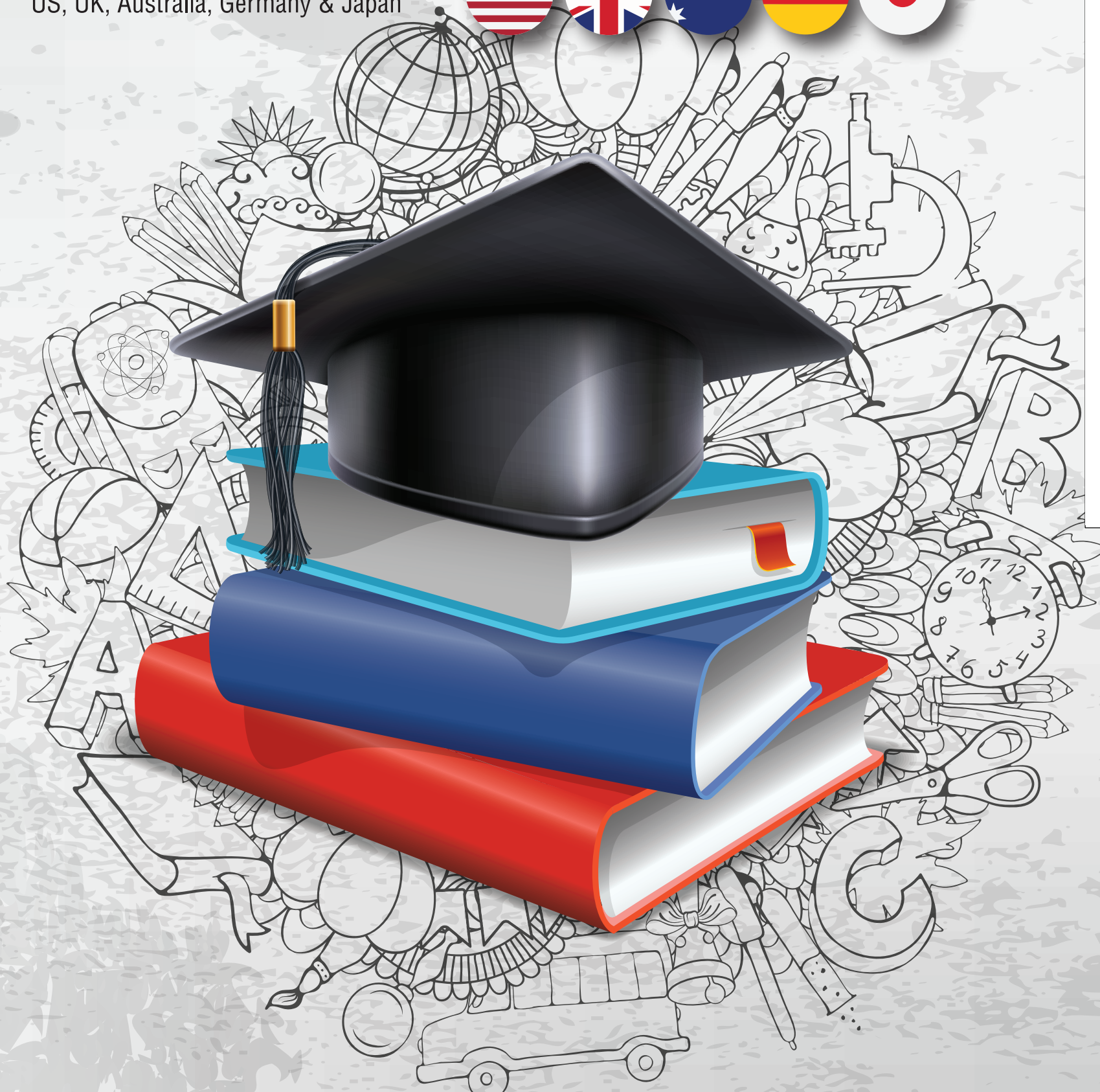


Certified And Accreditation



 **Cambridge Assessment
International Education**
Cambridge International School

Pathway to University Around the World
US, UK, Australia, Germany & Japan



 **CAMBRIDGE**
International Examinations
Learn • Discover • Achieve

Cambridge International Examinations
1 Hills Road, Cambridge, CB1 2EU, UK
t: +44 1223 553654 f: +44 1223 553658
e: info@cie.org.uk www.cie.org.uk

Malaysia Office:
Unit W-8-1, 1st Floor, Subang Square,
Jalan SS 15/4-G, 47500 Subang Jaya,
Selangor, Malaysia
Tel/Fax: (+6) 03 5613 1648
H/P: (+6) 016 2968 942
Email: kimhuat.n@cie.org.uk

Mr Anthony Ng Mun Sun,
Chief Executive Officer,
MIT-STEM International School,
No. 26, Jalan Anggerik Vanilla Y 31/Y,
Kota Kemuning,
40460 Shah Alam, Selangor.

Date: 13 September 2017

Dear Mr Ng,

**Registration of MIT-STEM International School
as a Cambridge International Examinations (CIE) Centre**

On behalf of Cambridge International Examinations (CIE), which is an integral part of the University of Cambridge Local Examinations Syndicate (UCLES), may I convey my sincere thanks to you for submitting your application, dated 12th September 2017, requesting for MIT-STEM International School, mailing address as above, to be registered as a CIE Centre for purposes of conducting the following CIE Programmes, beginning January 2018 and onwards:

1. International General Certificate of Secondary Education (IGCSE), which is equivalent to GCE 'O' -Levels;
2. Cambridge Lower Secondary (CLS) and Cambridge Primary;
3. Cambridge GCE A-Levels, and
4. Any other complementary programmes offered by CIE.

In principle, CIE would like to extend its approval to MIT-STEM International School to become a CIE Registered Centre, subject to fulfilment of the following requirements:

- (a) That a successful Pre-Registration Centre Inspection be conducted at MIT-STEM International School by CIE, and
- (b) That official approval has been obtained from the Ministry of Education and/or other relevant regulating authorities/agencies, local or otherwise, for purposes of conducting the above-stated programmes.

Kindly let us know when you would like the Pre-Registration Centre Inspection to be carried out so that the necessary arrangements could be made to do so.

Once again, thank you for deciding to offer the Cambridge IGCSE, Lower Secondary, Primary and GCE A-Level Programmes at MIT-STEM International School. May I take this opportunity to wish you and the school every success in the implementation of these programmes.

Sincerely,

Ng Kim Huat
(Country Director, Malaysia and Brunei)

We are part of Cambridge Assessment, a department of the University of Cambridge

 **Cambridge Assessment
International Education**

Certificate of Registration

This is to certify that
MITSTEM INTERNATIONAL SCHOOL
has registered as a
Cambridge International School


Michael O'Sullivan CMG
Chief Executive
Cambridge Assessment International Education

REGISTERED SCHOOL MY480
ISSUED ON 07 JANUARY 2019

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Year of Academic
2019 | 2020

Our Facilities

Sports & Extra Curricular Activities

Sports: Badminton, Swimming, Golf, Basketball, Volleyball
Uniform Body: Scouts
Club: Robotic, CAD



In Collaboration with Sultan Abdul Aziz Shah Golf and Country Club