



POLYTECHNICS MAURITIUS

MONTAGNE BLANCHE CAMPUS

We purposefully align our programmes to the needs and demands of industry stakeholders through a rigorous, practice immersed curriculum that prepares our students for the world of work in Mauritius and beyond.

'Thinking' skills as well as 'doing' skills. The ideal mix of knowledge and practice.



#YOURSTORYMADEPOSSIBLE

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INTRODUCTION

Polytechnics Mauritius is a higher education institution in Mauritius that offers vocational and technical education programs. It was founded in 2017 and is accredited by Mauritius's Tertiary Education Commission (TEC). The institution is committed to providing students with a high-quality education that is relevant to the needs of the industry.

Polytechnics Mauritius offers a variety of programs in fields such as engineering, information technology, business, hospitality, and tourism.

The institution offers both diploma and degree programs, and the courses are designed to prepare students for the workforce or further studies.



The institution has a modern campus with state-of-the-art facilities and equipment. The faculty comprises experienced professionals and academics who are experts in their respective fields. The institution has a strong emphasis on practical learning, with students being given ample opportunities to apply their knowledge in real-world situations. Polytechnics Mauritius also offers a range of student support services, including counselling, career guidance, and student clubs and societies.

The institution is also committed to providing a supportive and inclusive learning environment that encourages students to achieve their full potential. In summary, Polytechnics Mauritius is a reputable institution that provides students with high-quality vocational and technical education programs. With its modern facilities, experienced faculty, and practical learning approach, the institution is well-equipped to prepare students for successful careers in their chosen fields.



WHAT IS THE FUTURE OF COMPUTER SCIENCE?

In a word, the future of computer science is promising. In a few more words, the future of computer science is promising. Whether or not you decide to pursue a computer science degree, you probably want to be certain about the future of computer science as a career. To be honest, rising unemployment exists in every industry. Careers in computer science are not immune. A computer science degree used to mean a six-figure salary and guaranteed career prospects. Computer science currently dictates the world around us. Supply chains, content algorithms, and even job application systems are designed, built, and refined by computer scientists. Computer science isn't just our future, it's our present and it becomes more important as the economy and every facet of our lives become more dependent on tech. In the future, as machine learning, deep learning, neural networks, and natural language processing become more sophisticated.

DIPLOMA IN EMERGING TECHNOLOGIE BIG DATA

Overview: This Diploma in Emerging Technologies programme is designed to give students a strong foundation within the technical themes of evolving technologies, namely, Programming languages, GUI Tools & Distributions, Artificial Intelligence, Internet of Things, Mobile technologies & networks, big data, cloud computing, IT security, soft skills and team building.



The Diploma in Emerging Technologies (Big Data) will provide students with a variety of techniques used to retrieve and analyse data, and as well as process large, complex, and sometimes unstructured sets of information. The graduates can hence take up demanding, responsible and exciting positions in the rapidly expanding industries that are embarking on creating solutions using emerging technologies.

DIPLOMA IN EMERGING TECHNOLOGIE BIG DATA

CARRIER OPPORTUNITIES:

- ANALYTICS SPECIALIST
- BIG DATA ANALYST
- SOLUTION ARCHITECT
- ENGINEER
- BUSINESS CONSULTANT



Entry Requirements: Five (5) credits at Ordinary level inclusive of a credit or equivalent grade in English and inclusive of a credit or equivalent grade in either Mathematics or Physics or Computer Science, or an alternative qualification acceptable to the APL/APEL committee

OR

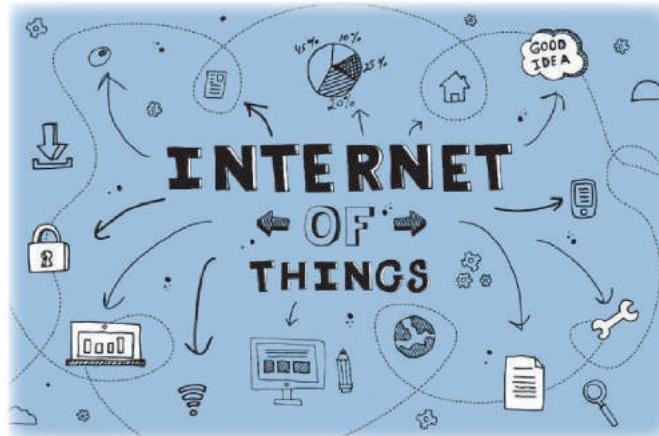
Two (2) subjects at Advanced Level inclusive of either Mathematics or Physics or Computer Science or any other equivalent qualification acceptable to the APL/APEL committee.

Note: In addition to the above requirements, prior to the start of the diploma programme, the students will be required to follow a preparatory course of two weeks to equip them with the fundamental prerequisite skills (e.g. soft skills, mathematics fundamentals, etc.).

DIPLOMA IN EMERGING TECHNOLOGIES

INTERNET OF THINGS

Overview: This Diploma in Emerging Technologies programme is designed to give students a strong foundation within the technical themes of evolving technologies, namely, Programming languages, GUI Tools & Distributions, Artificial Intelligence, Internet of Things, Mobile technologies & networks, Big data, cloud computing, IT security, soft skills and team building.



The Diploma in Emerging Technologies (Internet of Things) provides students with a firm foundation for a successful career in technology development & innovation, with a specific focus on topics involving smart devices, IoT security & surveillance, and intelligent systems amongst others.

DIPLOMA IN EMERGING TECHNOLOGIES

INTERNET OF THINGS

CARRIER OPPORTUNITIES:

- ANALYTICS SPECIALIST
- BIG DATA ANALYST
- SOLUTION ARCHITECT
- ENGINEER
- BUSINESS CONSULTANT



Entry Requirements: Five (5) credits at Ordinary level inclusive of a credit or equivalent grade in English and inclusive of a credit or equivalent grade in either Mathematics or Physics or Computer Science, or an alternative qualification acceptable to the APL/APEL committee

OR

Two (2) subjects at Advanced Level inclusive of either Mathematics or Physics or Computer Science or any other equivalent qualification acceptable to the APL/APEL committee.

Note: In addition to the above requirements, prior to the start of the diploma programme, the students will be required to follow a preparatory course of two weeks to equip them with the fundamental prerequisite skills (e.g. soft skills, mathematics fundamentals, etc.).

Awarding Body: University of Technology, Mauritius

DIPLOMA IN INTERACTIVE AND DIGITAL MEDIA

Overview: Are you passionate about creativity and want to unlock your imaginative mind? Is it your dream to be an industry recognized digital media practitioner? If the answer is yes, then this programme is for you! Mark your way with a reputed Malaysian University awarded Diploma.



Come and join us now and let's create a drive for the Digital and Interactive Media industry. This programme expands students' creative potential through the combination of theories and practical work in many aspects of new media whereby students will be taught the conceptual development and production of media content, equipping them with the skills, knowledge and attitude required to provide graphic design and interactive solutions. Upon successful completion, the student is eligible to apply for a top-up with our partner University in Malaysia.

CARRIER OPPORTUNITIES:

- AUDIO-VISUAL EDITOR
- DIGITAL MEDIA DESIGNER
- TECHNOLOGY SPECIALIST CONCEPT ARTIST
- 3D MODELLER
- 2D AND 3D ANIMATOR
- VISUAL DESIGNER
- WEB DESIGNER
- MULTIMEDIA DESIGNER
- INTERACTIVE EXPERIENCE DESIGNER | DEVELOPER
- ANIMATION PRODUCERS
- GAME & WEB APPLICATION DEVELOPER



Entry requirements: credits at SC level or GCE 'O' Level, in different subjects in up to two sittings. Awarding Body: University Malaysia of Computer Science and Engineering.(MQA accredited)

DIPLOMA IN CYBER SECURITY

Overview: According to The National Center for Education Statistics (NCES) the number of new cybersecurity programs has increased but the demand is growing faster as cybersecurity is now considered mission critical in most organizations. Hence cyber security experts are among the most sought-after professionals and as the principals of supply and demand dictate, this also creates a significant earning potential for qualified individuals.



Due to the severe shortage of skilled workers, cybersecurity professionals are among the most highly compensated in the technology sector. Cybersecurity presents the ultimate growth potential both in career path and for learning opportunities. Upon successful completion, the student is eligible to apply for a top-up with our partner University in Malaysia.

CARRIER OPPORTUNITIES:

- **IT SECURITY ANALYST**
- **IT SECURITY ENGINEER**
- **IT SECURITY CONSULTANT**
- **COMPUTER FORENSIC EXAMINER**
- **IT SECURITY OFFICER**
- **NETWORK SECURITY ADMINISTRATOR**
- **INFORMATION SECURITY CONSULTANT**
- **SECURITY PENETRATION TESTER**
- **SOFTWARE SECURITY SPECIALIST**
- **DIGITAL FORENSICS SCIENTIST**
- **MALWARE ANALYST**
- **CYBER SECURITY AUDITOR**
- **COMPUTER FORENSICS INVESTIGATOR**



Entry requirements: 3 credits including Maths at SC level or GCE 'O' Level, in different subjects in up to two sittings.

Awarding Body: University Malaysia of Computer Science and Engineering.
(MQA accredited)

DIPLOMA IN GAME DEVELOPMENT

CARRIER OPPORTUNITIES:

- GAMES PROGRAMMER
- GAMES DESIGNER
- MOBILE GAMES DEVELOPER
- 2D ARTIST AND ANIMATOR
- 3D MODELLER AND ANIMATOR



Entry requirements: 3 credits at SC level or GCE 'O' Level, in different subjects in up to two sittings.

Awarding body: University Malaysia of Computer Science & Engineering

DIPLOMA IN GAME DEVELOPMENT

Overview: Are you passionate about developing innovative games? Is it your dream to be an industry recognized game developer? Does the world of gaming fascinate you? If the answer is yes, then this programme is for you! Mark your way with a reputed Malaysian University awarded Diploma



This programme produces creative game developers using desktop and mobile platforms from game idea concepts to virtual reality. Students will be exposed to core areas of game development such as art and visual design, game designing and programming, game production and marketing through hands-on experience, creating work samples to showcasing their talent and skills at the end of the programme.

Join us now and let's create the drive for the game development industry in Mauritius

Upon successful completion, the student is eligible to apply for a top-up with our partner University in Malaysia.

DIPLOMA IN INFORMATION SYSTEMS (BUSINESS COMPUTING)



Overview: This multidisciplinary programme combines the fundamentals of computing and business. It aims to equip students with technical skills in systems analysis and design, information processing and analytics, as well as essential business knowledge in accounting, marketing, and management.

Graduates of the programme are expected to be IT professionals with software and related skills coupled with a good knowledge of how businesses function. They would also be capable of creating a competitive advantage in business by developing meaningful business solutions with the use of cutting-edge technologies to support the tactical, operational, and strategic needs of a business. Upon successful completion, the student is eligible to apply for a top-up with our partner University in Malaysia.

DIPLOMA IN INFORMATION SYSTEMS (BUSINESS COMPUTING)

CARRIER OPPORTUNITIES:

- TECHNICAL SALES AND MARKETING
- BUSINESS ANALYST
- IT CONSULTANT
- HELPDESK / USER SUPPORT

Entry requirements: 3 credits at SC level or GCE 'O' Level including Maths, in different subjects in up to two sittings.

Awarding body: University Malaysia of Computer Science and Engineering.
(MQA accredited)



BSC (HONS) EMERGING TECHNOLOGIES (TOP-UP)

Overview: This BSc (Hons) Emerging Technologies Top-Up programme is designed to give students a solid grounding within the technical themes of evolving technologies, namely, the Internet of Things, Big data, cloud computing, serverless computing, creation of smart solutions amongst others, as well as IT project management and team building and more generally within the theme of professional development.



The graduates can take up demanding, responsible and exciting positions in the rapidly expanding industries that are embarking on creating solutions using emerging technologies. Additionally, the technologies within each module will be delivered in the context of business enablers, giving the students an insight into how businesses might deploy the technologies for competitive advantage.

BSC (HONS) EMERGING TECHNOLOGIES (TOP-UP)

CARRIER OPPORTUNITIES:

- TECHNICAL CONSULTANT
- SYSTEM ANALYST
- SYSTEM PROGRAMMER (AI & MACHINE LEARNING)
- DATABASE ADMINISTRATOR
- SOFTWARE & HARDWARE TESTER
- CLOUD SUPPORT ANALYST



Entry Requirements: Holding either a Diploma in Information Technology (Big Data Analytics) or a Diploma in Information Technology (Internet of Things) or a Diploma in Emerging Technologies or a Diploma relevant in Information & Communication Technology from a recognized institution, pitched at level 6 of the National Qualifications Framework (NQF), acceptable to the APL/APEL committee.

Awarding Body: University of Technology, Mauritius

DIPLOMA IN ROBOTICS AND AUTOMATION ENGINEERING

Overview: Robotics and automation engineering relating to intelligent machines and smart systems is a burgeoning field that is fuelling the economy and transforming the nature of work in a wide range of applications.



This multi-disciplinary Diploma programme balances deep technical expertise with practical application-oriented experience and insight into the societal impacts, ethical challenges and entrepreneurial opportunities relevant to this field. A technical core ensures competence in the areas of design, controls and perception. As novel curricular option promotes student competencies in modern skills and tools relevant to the robotics and automation industry.

CARRIER OPPORTUNITIES:

- ROBOTICS PROGRAMMERS
- AUTOMATED PRODUCT DESIGN ASSISTANTS
- ROBOTICS SYSTEMS DESIGNERS
- ROBOTICS AND AUTOMATION TESTERS

DIPLOMA IN DIGITAL MARKETING

Overview: Being online is today the new meeting place. Reports claim that the average user spends at least 7 hours online each day (Datar portal, 2023).

In this Digital Age, Digital Marketing is fast becoming the marketing channel of choice for Marketers. This type of marketing involves the use of websites, mobile devices, social media, search engines, and other similar channels.

DIGITAL MARKETING



This programme introduces students to the Digital marketing arena. They shall discover the promotion of brands to connect with potential customers using the internet and other forms of digital communication including email, social media, web-based advertising, as well as text and multimedia messages as a marketing channel.

DIPLOMA IN DIGITAL MARKETING

CARRIER OPPORTUNITIES:

- DIGITAL MARKETING ASSISTANT
- SEO OFFICE
- SOCIAL MEDIA MARKETING OFFICER
- CONTENT MANAGEMENT ASSISTANT
- CONVERSION RATE OPTIMIZER
- DIGITAL MEDIA ANALYSER



Entry Requirements:

3 credits at SC level or GCE O-Level, in different subjects in up to two settings

Awarding Body: The UNIMY community is driven by a shared purpose: to create a better future through technology, education, research and innovation. They are a team of creative and innovative individuals who know how to enjoy life yet strive and aspire to improve our quality of life. They are passionately curious, imaginative, and eager to contribute to the advancement of modern technology.

Polytechnics Mauritius is pleased to collaborate with such a renowned University recognised worldwide by bringing the Diploma in Robotics and Automation Engineering at the very doorstep of every student in Mauritius. It is a life-time opportunity not to be missed.

ACTIVITY ROOM



These games are popular among students and provide opportunities for them to socialize, relax and have fun. The activity room is likely to be a popular gathering spot for students during their free time, offering a break from their academic pursuits and an outlet for their recreational interests.



The activity room at Polytechnics Mauritius is equipped with several facilities to encourage students to engage in extracurricular activities. These facilities include pool tables, babyfoot tables, and table tennis.



Overall, the availability of these facilities is a valuable addition to the student experience at Polytechnics Mauritius.



LECTURE THEATRE



Polytechnics Mauritius also features a 60-seat Lecture Theatre fully equipped with latest technology used for events, meetings, presentations, inductions and sometimes even as learning spaces for combined classes.



POLYTECHNICS LABS

Polytechnics Mauritius is a leading educational institution that provides students with highquality education and training in various fields. The campus is equipped with state-of-the-art facilities, including two labs that cater to students with different computing needs.



The first lab is a Mac lab, which is ideal for students who need to work on projects related to graphic design, video editing, and other creative fields. The lab is equipped with the latest Apple computers, software, and other tools necessary for students to develop their skills and produce professional-quality work.



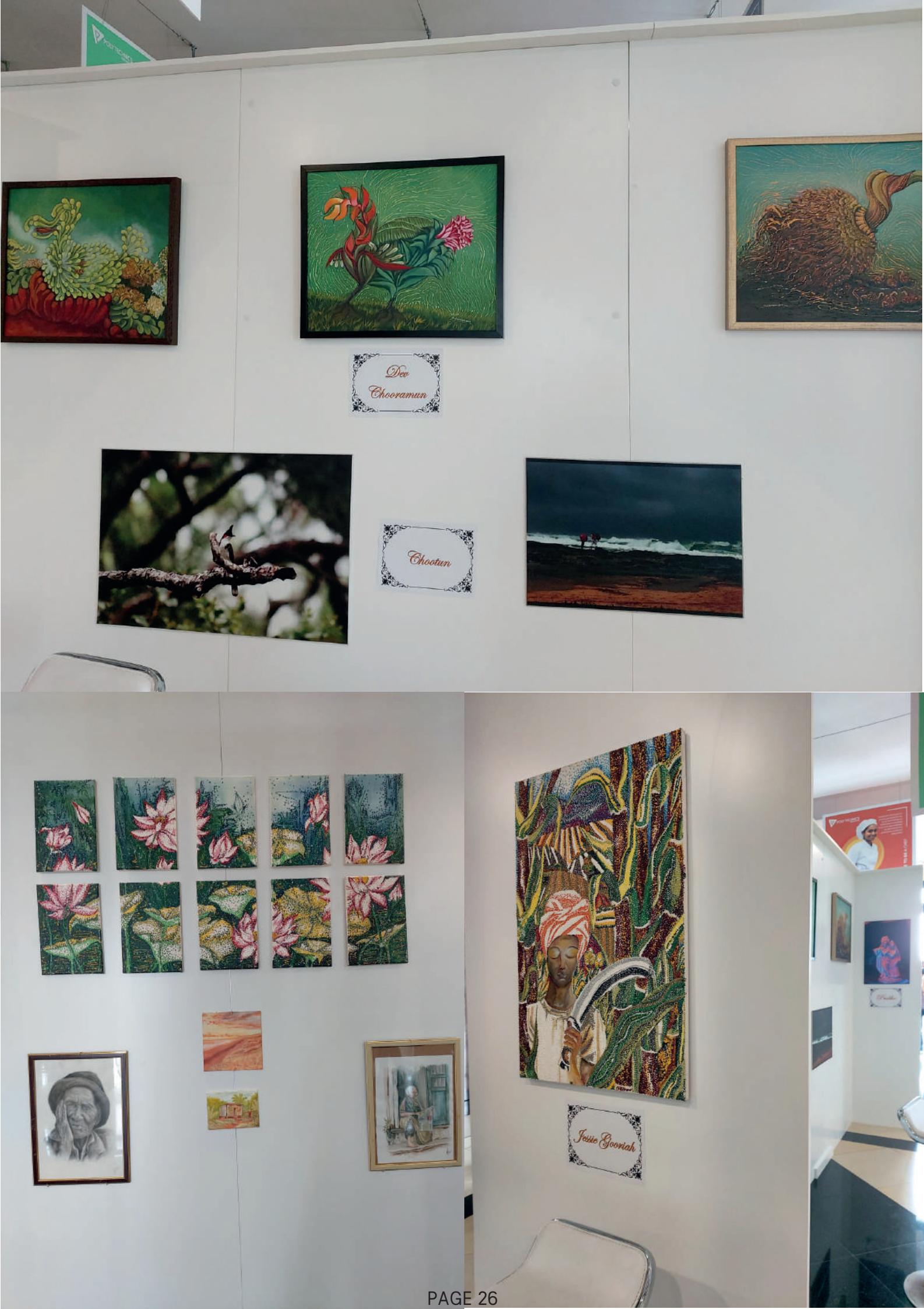
The second lab is a Microsoft Windows lab, which is perfect for students who need to work with software that runs on Windows operating systems. This lab is equipped with highperformance PCs, and students have access to various software programs, including Microsoft Office, Adobe Creative Suite, and other industry-standard tools. The Microsoft Windows lab is designed for students who need access to software such as Visual Studio, and the full suite of Microsoft Office applications. This lab is equipped with high-end PCs that can handle complex tasks such as 3D modelling, animation, and video editing.

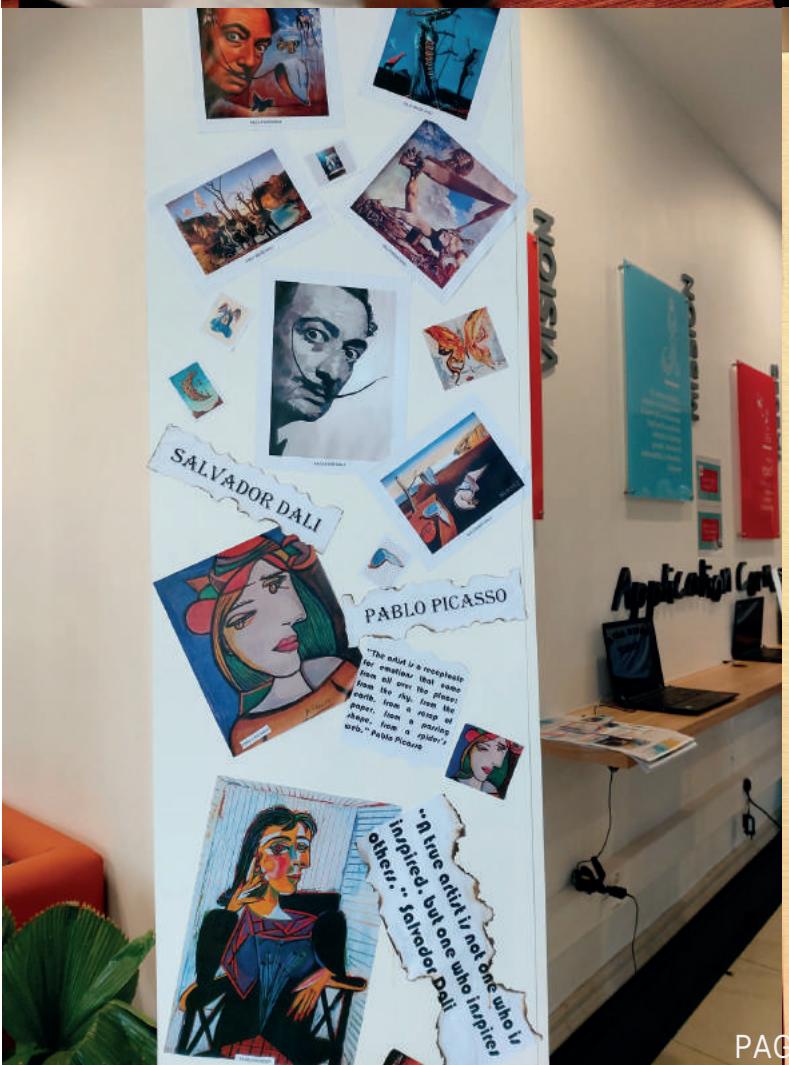


Overall, Polytechnics Mauritius is committed to providing students with the resources they need to succeed in their chosen fields. With its state-of-the-art facilities and expert faculty, the institution is the ideal place for students to pursue their academic and professional goals.





















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