

Faculty of
**ENGINEERING
AND COMPUTER
TECHNOLOGY**

2026

ABOUT AIMST

AIMST University is a premier private university catering to the needs of local and international students. It offers high-quality education recognised globally by the relevant professional bodies and industries. The University also emphasises international exposure through a network of numerous international partners. In addition, student-exchange programmes help our students to develop global perspectives and skillsets. As a result, AIMST's graduates enjoy 100% employability in leading national and international organisations within six months of graduation.

ACCREDITATION



Accredited by KPT



Accredited by MQA



Accredited by Malaysian Medical Council (MMC)



Accredited by Medical Council of India



Accredited by Washington Accord



Accredited by Board of Engineers Malaysia



Accredited by Board of Nursing Malaysia

RANKING



Ranked on the QS Asia Universities Rankings



Ranked on the QS Asia Universities Rankings - South Eastern Asia



Competitive

PARTNERS



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Global Partner



Age Cope
Global Partner



Bogen Specialist Centre
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TalentCorp
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Alpro Pharmacy
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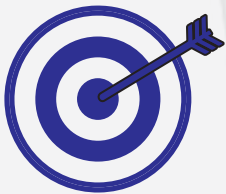
NCSER Malaysia
Global Partner





OUR MISSION

To be a world-class university, achieving excellence in teaching and research, and engaged in the service of society in promoting lifelong education.



& VISION

- ◆ To be a premier university in the country and region for the study of medicine and other health sciences, engineering, computer technology, applied sciences, business and accountancy.
- ◆ To offer high quality accredited undergraduate and postgraduate programmes at the cutting-edge of technology at an affordable price designed to meet individual, community and national manpower needs in line with the national educational philosophy.
- ◆ To maintain high academic standards and teaching quality that promote the analytical thinking and independent judgement necessary to function responsibly in a democratic and increasingly global society.
- ◆ To be a centre of excellence for research and innovation in frontier disciplinary and interdisciplinary areas of science and technology of relevance to the country and region.



Diploma in Electronic and Computer Engineering

(N/0713/4/0044) (12/29) (MQA/PA18038)

The Diploma in Electronic and Computer Engineering at AIMST University provides a strong foundation in electronics, computing, and embedded systems. The program equips students with essential technical knowledge and hands-on skills to design, develop, and maintain modern electronic and computer-based systems. Graduates will be prepared to excel in industries such as telecommunications, automation, embedded systems, and IoT.

◆ Programme Modules

YEAR 1

- Mathematics I & II
- Introduction to Computer Programming
- Computer Organization and Architecture
- Electronic Circuits
- Engineering Science
- English I & II
- Penghayatan Etika dan Peradaban (PEP)
- Digital Electronics
- Introduction to Communication (ITC)

YEAR 2

- Mathematics III
- Object-Oriented Programming
- Python Programming
- Networking and Communications
- Microprocessors and Microcontrollers
- Principles of Communication Systems
- Operating Systems
- Kursus Integriti dan Anti Rasuah (KIAR)
- Robotics
- Instrumentation and Control Systems

YEAR 3

- Cryptography and Network Security
- Power Electronics
- Cloud Computing
- Web Technology
- Database Management Systems
- Wireless Communications for 5G
- Big Data Analytics
- Artificial Intelligence
- Final Year Project
- Industrial Training (Minimum 24 Weeks)

◆ Entry Requirement

- **SPM/O-Level**
Pass with at least credits in THREE (3) subjects, including Mathematics and ONE(1) relevant Science/Technical / vocational subject and a pass in English.
- **Sijil Tinggi Persekolahan Malaysia (STPM) or its equivalent**
Pass in Mathematics, English and ONE (1) relevant science / technical / vocational subject at the SPM level
- **Recognised related Vocational and Technical / Skills Certificate or its equivalent**
Pass with ONE (1) year of relevant work experience or a minimum of ONE (1) semester of a bridging programme.
- **Recognised Certificate in Engineering / Engineering Technology or its equivalent**
- **Other qualifications**
Will be assessed and referred for approval on case by case basis
 - For international students, TOEFL score of 500 or IELTS score of 5.0 OR its equivalent.



Bachelor of Computer Science

(N/481/6/0838)(01/29)(MQA/PA15140)

Computer science is the study of computers and computing as well as their theoretical and practical applications. Computer science applies the principles of mathematics, engineering, and logic to a plethora of functions, including algorithm formulation, software and hardware development, and artificial intelligence.

◆ Programme Modules

YEAR 1

- Computing Mathematics
- Computer Organization and Architecture
- Programming Technique
- Operating Systems
- Python Programming
- Object-Oriented Programming with C++
- Discrete Structures

YEAR 2

- Artificial Intelligence & Intelligent Agents
- Networking & Communications
- Software Development
- Fundamentals Project Management & Finance
- Social Issues and Professional Practice
- Information Management
- Software Engineering Methods
- Parallel and Distributed Computing
- Information Assurance and Security
- Elective- 1
- Elective- 2
- Elective- 3

YEAR 3

- Human-Computer Interaction
- Algorithms and Complexity
- Elective- 4
- Elective- 5
- Elective- 6
- Final Year Project Phase-I
- Embedded System Fundamentals
- Graphics and Visualization
- Elective- 7
- Elective- 8
- Elective- 9
- Final Year Project Phase-II

YEAR 4

- Industrial Training

● Specialism in Artificial Intelligence

Machine Learning / Applications of Deep Learning / Natural Language Processing / Neural Networks / Statistical Modelling and Data Analysis / Internet of Things / E- Commerce / Robotics / Data Warehouse Manager / Digital Image Processing / Law in Intelligent System

● Specialism in Data Analytics

Data Mining / Introduction to Big Data / Statistical Modelling and Analysis / Applications of Deep Learning / Internet of Things / Database Management System / E-Commerce / Investigation in Data Analytics / Data Structures / Data Base Security / Data Warehouse Manager

● Specialism in Cyber Security

Cryptography and Network Security / Internet of Things / Cloud Computing / Wireless Communication for 5G / Web Technology / Digital Forensic / Ethical Hacking / Security Audit and Assessment / Software Security Assurance / Firewall and Intrusion Detection / E-Commerce

◆ Entry Requirement

- **AIMST Foundation/Matriculation/ Pre-University Programme or its equivalent**
Minimum CGPA of 2.00
- **STPM**
Arts Stream - Minimum Grade C (GP 2.00) in any TWO (2) subjects.
Science Stream - Minimum Grade C (GP 2.00) in Mathematics and 1 Science /ICT subject.
- **STAM**
A pass in STAM with minimum Grade of Jayyid in any 2 subjects.
- **Diploma in Science or Technology**
Minimum CGPA of 2.75
- **Diploma in Computing, (Level 4, MQF), Diploma Kemahiran Malaysia (DKM) / Diploma Vokasional Malaysia (DVM) in computing field or its equivalent**
Minimum CGPA of 2.50
- **Other qualifications**
Will be assessed and referred for approval on case by case basis

NOTE : All the students must possess a credit in Additional Mathematics at the SPM level or its equivalent; OR Mathematics and any one of the Science, Technology or Engineering subjects at SPM level or its equivalent.

Candidates need to take and pass the reinforcement Mathematics equivalent to Additional Mathematics at the SPM level. This subject must be offered in the first semester or before enrolment with unconditional offer.



Bachelor in Software Engineering (Honours)

(N/0612/6/0022)(05/29)(MQA/PA17127)

The Bachelor of Software Engineering (Honours) at AIMST is a 3-year programme that combines strong theoretical foundations with practical applications and emerging technologies. It covers key areas such as programming, data structures, artificial intelligence, and cybersecurity, with hands-on experience gained through industrial training, research, and design projects. Accredited by the Malaysian Qualifications Agency (MQA), the programme prepares graduates for diverse careers across various industries.

◆ Programme Modules

YEAR 1

- Programming Technique
- Computer Organization and Architecture
- Introduction to Computer Systems and Networks
- Operating Systems
- Python Programming
- Database Design and Implementation
- Application Development & Processes
- System Analysis and Design

YEAR 2

- Web Development using Platforms
- Web System & Technology
- Application Integration
- Software Engineering Methods
- Information Technology Security
- Information Management
- Human Computer Interaction
- UX Design
- Project Management
- Social Issues and Professional Practice
- Machine Learning

YEAR 3

- Final Year Project Phase-I
- User Interface Frameworks
- Final Year Project Phase-II
- Graphic and Visualization
- Industrial Training (24 Weeks)

◆ Entry Requirement

- AIMST Foundation/Matriculation/ Pre-University Programme or its equivalent
Minimum CGPA of 2.00
- STPM
Arts Stream - Minimum Grade C (GP 2.00) in any TWO (2) subjects.
Science Stream - Minimum Grade C (GP 2.00) in Mathematics and 1 Science /ICT subject.
- STAM
A pass in STAM with minimum Grade of Jayyid in any 2 subjects.
- Diploma in Science or Technology
Minimum CGPA of 2.75
- Diploma in Computing, (Level 4, MQF), Diploma Kemahiran Malaysia (DKM) / Diploma Vokasional Malaysia (DVM) in computing field or its equivalent
Minimum CGPA of 2.50
- Other qualifications
Will be assessed and referred for approval on case by case basis

NOTE : All the students must possess a credit in Additional Mathematics at the SPM level or its equivalent; OR Mathematics and any one of the Science, Technology or Engineering subjects at SPM level or its equivalent.

Candidates need to take and pass the reinforcement Mathematics equivalent to Additional Mathematics at the SPM level. This subject must be offered in the first semester or before enrolment with unconditional offer.



Bachelor in Multimedia Technology(Honours)

(N/0211/6/0084)(08/29)(MQA/PA17419)

The Bachelor in Multimedia Technology (Honours) at AIMST is a 3-year program that equips students with essential technical and creative skills for the multimedia industry. The curriculum blends foundational theories with hands-on experiences in areas like graphic design, animation, web development, and emerging technologies such as augmented reality and game design. Graduates are well-prepared for diverse careers in multimedia and tech industries and this program is accredited by the Malaysian Qualifications Agency (MQA).

◆ Programme Modules

YEAR 1

- Basic Programming
- Augmented Reality Technology
- Human Computer Interaction
- Media Psychology
- Animation Techniques
- Mobile Multimedia Technology and Ubiquitous Computing
- Multimedia System Foundation
- Multimedia Database

YEAR 2

- Graphic and Computer Animation
- Interactive Media Design
- Digital Audio Technology
- WWW Programming
- Multimedia System Networking
- Visual Effects Techniques
- Statistics for IT
- Video Digital Technology
- Research Methodology
- System Analysis and Design
- User-centered Design
- IT Entrepreneurship
- Media Ethics and Law
- Final Year Project Phase-I

YEAR 3

- Final Year Project Phase-I
- User Interface Frameworks
- Final Year Project Phase-II
- Graphic and Visualization
- Industrial Training (24 Weeks)

Elective subjects:

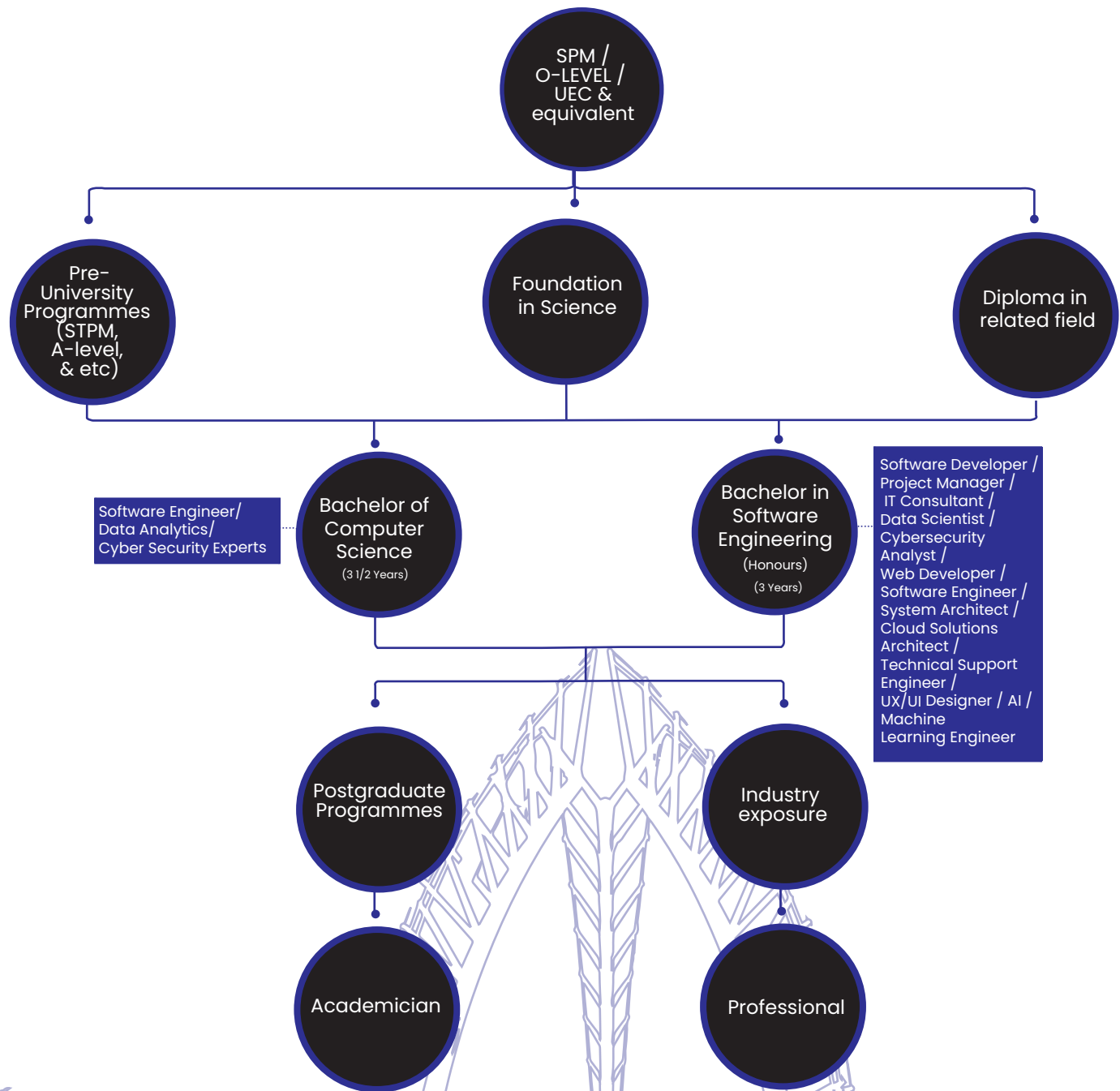
Programming Language and Authoring / Project Management and Finance / Information System in Organization / Software Engineering / Internet Technology Services / Introduction to Artificial Intelligence

◆ Entry Requirement

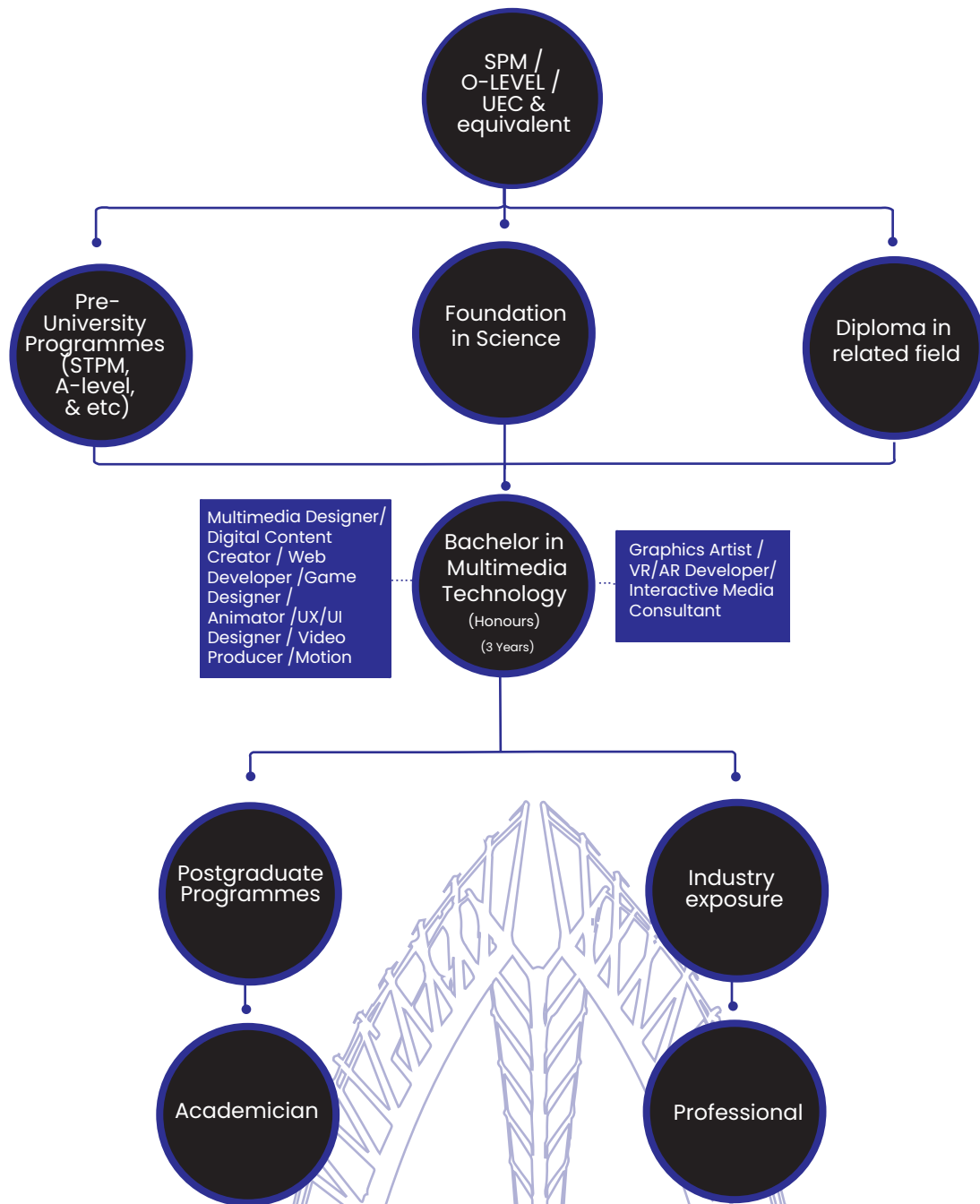
- AIMST Foundation/Matriculation/ Pre-University Programme or its equivalent
A pass in Matriculation or Foundation studies with minimum CGPA of 2.0.
- STPM
2 Passes with minimum Grade C (GPA 2.0) in any 2 subjects.
- STAM
A pass in STAM with at least grade Jayyid.
- Diploma (Level 4, MQF), Advanced Diploma (Level 5, MQF)
with at least CGPA of 2.00
- Other qualifications
Will be assessed and referred for approval on case by case basis

Achieve MUET Band 3 upon graduation.

Study Pathway



Study Pathway



What our Alumni say?



Wong Wen Ying

Bachelor of Computer Science

BASSnet, Kuala Lumpur

My journey at AIMST University helped build my technical foundation and strengthened my readiness for the industry. The academic support provided throughout my studies played an important role in guiding my learning and growth. In addition, the practical training I received shaped my development and enhanced my hands-on skills. These combined experiences prepared me confidently to face professional challenges in my career. I am grateful for the experience and proud to be an AIMST graduate.



Gladyes Yeap Yin Shuen

Bachelor of Computer Science

Technical Writing Intern, Lattice Semiconductor

My experience at AIMST University has been a defining part of my growth as a Computer Science student. The strong blend of theoretical knowledge, practical laboratory work, and industry-driven projects allowed me to develop solid technical expertise and effective problem-solving skills. Through this exposure, AIMST not only strengthened my understanding of computing concepts but also nurtured my confidence to innovate, explore new ideas, and build meaningful solutions. The supportive academic environment and hands-on learning experiences played a key role in shaping my professional mindset. I am truly thankful for the community, guidance, and opportunities that contributed to my journey.



Gunal Viswasnathan

Bachelor of Computer Science

Intern, Quantios

My time at AIMST University has been a defining part of both my academic and personal development, shaping me into a more capable and confident individual. The combination of strong academic guidance, hands-on exposure to real industry practices, and a supportive learning environment provided me with opportunities to challenge myself and grow beyond my comfort zone. These valuable experiences have deepened my understanding of technology and strengthened my passion for the field. They have also equipped me with the knowledge, skills, and confidence needed to pursue a meaningful and successful career. I am truly grateful for this transformative journey and proud to represent AIMST University.



Pritika Ramesh

Bachelor of Computer Science

Process Engineer, Coherent.

My journey at AIMST University laid a strong foundation for my professional career, providing me with the essential knowledge and skills needed to succeed. The comprehensive learning environment, which combined theoretical understanding with practical application, allowed me to develop a well-rounded perspective in my field. Through hands-on experiences and exposure to real-world scenarios, I was able to apply my knowledge effectively and gain valuable problem-solving skills. These opportunities equipped me with the confidence and competence to face the challenges of the industry with resilience. I am proud to be an AIMST graduate and deeply grateful for the doors this journey has opened for me.

What our Students say?

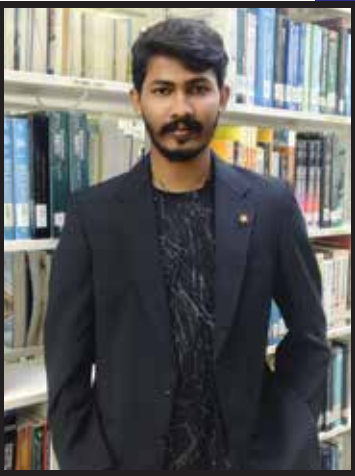


Dheepanraj A/L Ravindran

Bachelor in Multimedia Technology (Honours)

Year 2/Semester 1, AIMST University

Bachelor of Multimedia Technology is a course that combines creativity and technology. It covers areas such as graphic design, multimedia content, digital media, and basic technical skills. The programme is designed to prepare students for the creative industry and enhance both creative thinking and technical abilities. Through various projects and practical assignments, students gain hands-on experience and industry-relevant exposure. I am currently studying in Year 2 Semester 1 and hoping for the best in the upcoming semesters while striving to improve my skills and knowledge.



Ganesen A/L Selvaraju

Bachelor in Software Engineering (Honours)

Year 2/Semester 1, AIMST University

AIMST University equipped me with the essential knowledge, skills, and experience needed to thrive confidently in my chosen field. The strong emphasis on academic excellence provided me with a solid theoretical foundation throughout my studies. In addition, the practical training I received allowed me to apply what I learned in real-world contexts. The continuous guidance and support from lecturers played an important role in shaping my professional journey. I am truly proud to be part of the AIMST family and grateful for the opportunities it has given me.



Tio Li Shan

Bachelor in Software Engineering (Honours)

Year 2/Semester 1, AIMST University

Studying Software Engineering at AIMST University has been a transformative experience. The program helped me to boost my technical capability, problem-solving approaches, and provided me with exposure to software development practices in the industry which are important. Project-based learning, with the help of positive lecturers, and constant practical opportunities taught me to be confident in future life as a software engineer. I am also very appreciative of the experience AIMST gave me and I am glad to belong to its community.



Vidhyasree A/P Varatharajan

Bachelor in Software Engineering (Honours)

Year 2/Semester 1, AIMST University

Studying Software Engineering at AIMST University has truly helped me grow both academically and personally. The lecturers provide clear guidance and continuous support throughout my learning journey. The projects offered in the programme give me valuable real-world experience and practical exposure. Through these experiences, I have learned many useful and relevant skills for my future career. I am thankful for the support I receive at AIMST University and proud to be an AIMST student.

PROGRAMMES

◆ Certificate and Post Basic

Certificate in Healthcare Assistant

Post Basic in Critical Care Nursing (N/723/1/0963) (02/28) (MQA/FA 8988)

Post Basic Renal Nursing (N/0913/3/0034) (09/30) (MQA/FA 13002)

◆ Foundation Studies

Foundation in Science (K3/002/3/0034) (07/28) (A 9160)

Foundation in Business (K2/001/3/0018) (07/29) (A 9533)

◆ Diploma Studies

Diploma in Nursing (K3/723/4/0058) (04/26) (MQA/FA 3099)

Diploma in Physiotherapy (K3/723/4/0094) (11/26) (MQA/FA 1779)

Diploma in Electronic and Computer Engineering (N/0703/4/0044) (02/28) (MQA/FA18038)

Diploma in Biotechnology (N/0912/4/0004) (10/28) (MQA/FA 1506)

Diploma in Finance (N/342/4/0288) (08/28) (MQA/FA 14820)

Diploma in Business Management (N/348/4/0088) (08/28) (MQA/FA 14825)

Diploma in Medical and Health Science (Medical Assistant) (N/0913/4/0066) (07/30) (MQA/FA18892)

Diploma in Occupational Safety and Health (N/0222/4/0094) (07/30) (MQA/FA18832)

Diploma in Business Management - ODL (N/0414/4/0469) (12/30) (MQA/FA 18886)

◆ Undergraduate Studies

Bachelor of Medicine & Bachelor of Surgery (MBBS) (K3/0902/6/0000) (07/32) (MQA/FA 4034)

Bachelor of Dental Surgery (K2/0911/6/0001) (08/28) (MQA/FA 3470)

Bachelor of Dental Technology (Honours) (K/724/6/0077) (11/26) (MQA/FA 0206)

Bachelor of Pharmacy with Honours (K2/0916/6/0026) (07/27) (MQA/FA 8482)

Bachelor of Science (Hons) Biomedical Sciences (N/722/6/0046) (11/27) (MQA/FA 1389)

Bachelor of Science in Psychology (Honours) (N/0313/6/0053) (07/30) (MQA/FA18381)

Bachelor of Physiotherapy (Hons) (K2/726/6/0022) (03/30) (MQA/FA 1779)

Bachelor in Nursing Sciences (Honours) (N/723/6/0051) (06/28) (MQA/FA 5046)

Bachelor of Science (Honours) Biotechnology (K3/0912/6/0024) (07/28) (A 9263)

Bachelor of Science (Hons) Bioinformatics (K/422/6/0038) (12/26) (MQA/FA 6184)

Bachelor of Science (Honours) Biotechnology with Entrepreneurship (N/0221/6/0084) (08/29) (MQA/FA1749)

Bachelor in Multimedia Technology (Honours) (N/0912/6/0013) (08/29) (MQA/FA17503)

Bachelor of Computer Science (N/481/6/0838) (01/29) (MQA/FA18540)

Bachelor in Software Engineering (Honours) (N/0912/6/0022) (06/29) (MQA/FA17127)

Bachelor (Honours) in Business and Marketing (K2/340/6/0590) (06/26) (A 4798)

Bachelor of Science (Honours) Accounting and Finance (K2/046/6/0058) (08/30) (MQA/FA 2849)

Bachelor (Honours) in Finance and Management (K2/342/6/0176) (08/26) (A 4797)

Bachelor of Science (Hons) Management Information Systems (K3/0222/6/0003) (08/31) (A 4799)

Bachelor of Accountancy (Honours) (N/0491/6/0007) (07/28) (MQA/FA 10257)

Bachelor in Information Systems (Data Analytics) (Honours) (N/0911/6/0040) (10/28) (MQA/FA18680)

◆ Postgraduate Studies

Master in Science (Medical Biochemistry) (K3/0912/7/0000) (03/32) (A 9669)

Master in Science (Medical Physiology) (K3/0912/7/0008) (08/31) (A 9670)

Master of Science (Medical Microbiology) (K2/421/7/0029) (11/27) (A 9590)

Master in Science (Human Anatomy) (K3/0912/7/0006) (08/31) (A 9639)

Master of Science (Pharmacy) (K2/0916/7/0003) (06/31) (MQA/FA 3543)

Master of Pharmacy (Clinical Pharmacy) (K2/0916/7/0044) (10/28) (MQA/FA 3491)

Master of Science Biotechnology (K2/046/7/0001) (02/27) (A 4622)

Master of Physiotherapy (Musculoskeletal) (N/0912/7/0007) (09/28) (MQA/FA 1896)

Master of Nursing Science (N/0913/7/0001) (07/30) (MQA/FA18813)

Master of Science in Management (K2/046/7/0020) (05/32) (MQA/FA 2847)

Master of Business Administration (MBA) (K2/0414/7/0024) (06/30) (MQA/FA13448)

Master of Business Administration (MBA)- ODL (N-DU/0414/7/0022) (12/29) (MQA/FA17818)

Doctor of Philosophy (Medical Microbiology) (K/422/6/0037) (12/28) (MQA/FA 6185)

Doctor of Philosophy Medical Physiology (N/0912/6/0001) (08/29) (MQA/FA 18572)

Doctor of Philosophy (Pharmacy) (K2/0916/6/0009) (08/31) (MQA/FA 3542)

Doctor of Philosophy (Biotechnology) (K3/046/6/0048) (08/32) (A 8453)

Doctor of Philosophy in Medical Biochemistry (N/0912/6/0002) (08/31) (MQA/FA 17420)

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