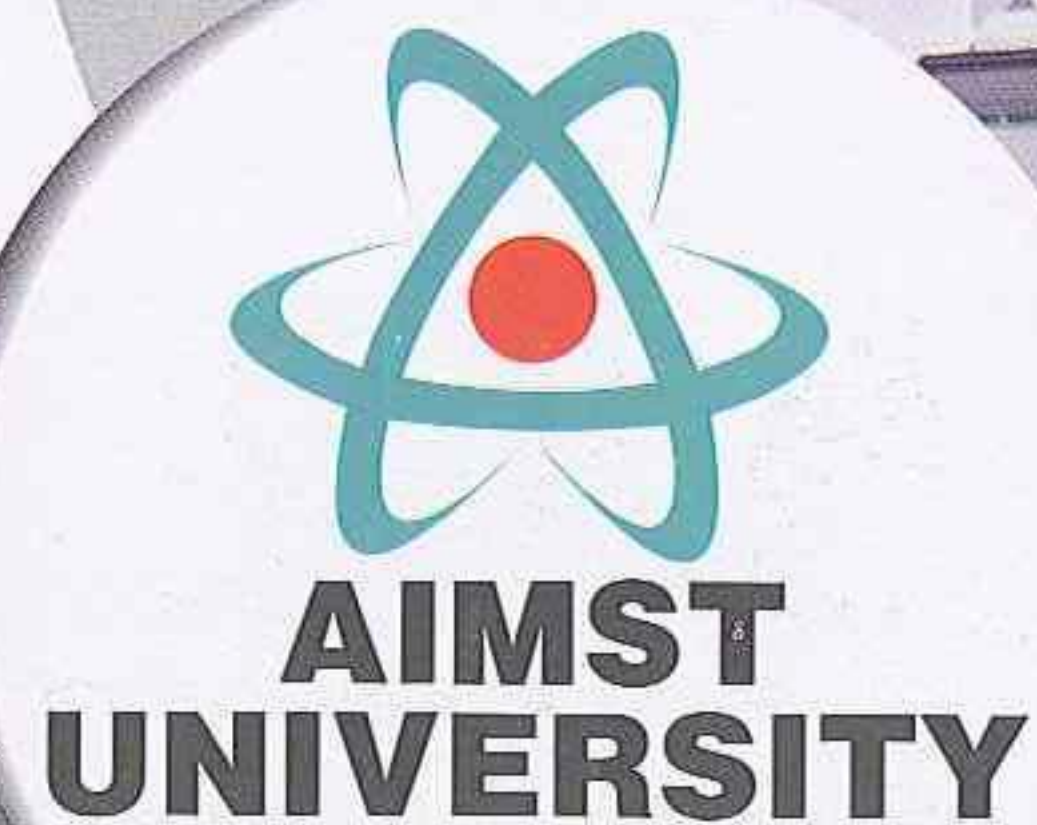
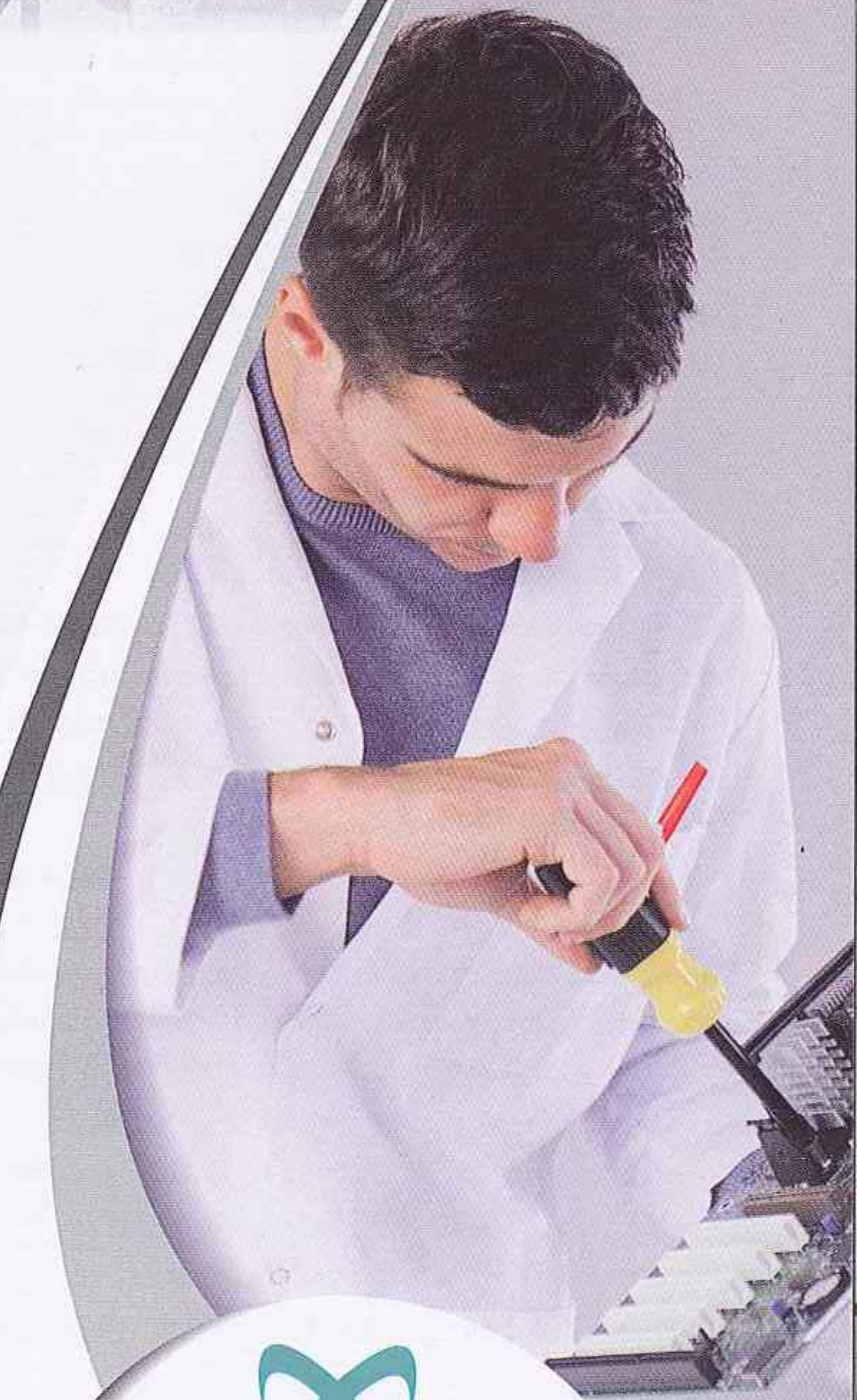


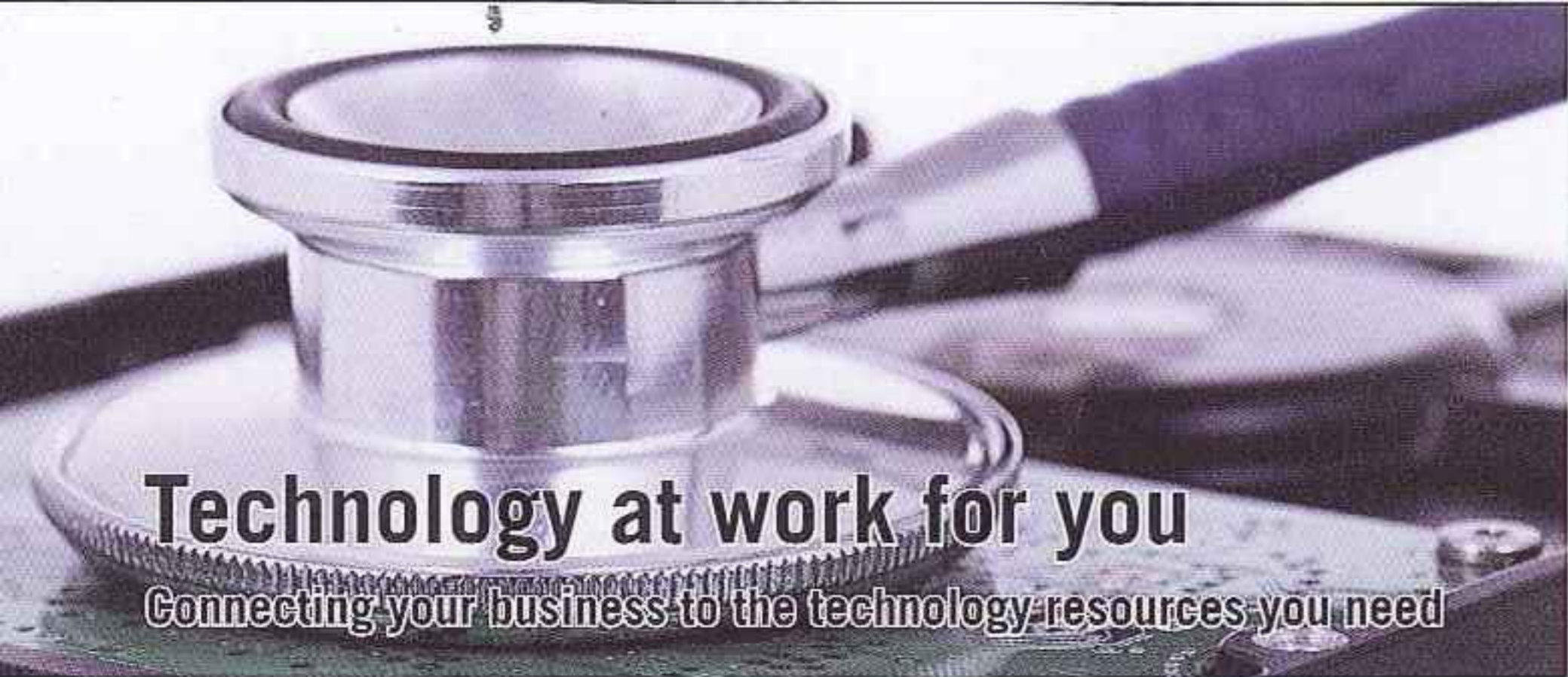
# Diploma in MEDICAL ELECTRONIC ENGINEERING

KPT(JPS)/(N/523/4/0182)01/19

The rapid advancement in information technology and healthcare consciousness has accelerated the scope for medical electronics. Fast growth in medical electronics is further influencing various demographic trends like consumers' expectations of more household medical electronic equipment, enhanced portability of complex imaging and monitoring systems, further miniaturisation of implantable equipment with lower energy consumption and functional integration of equipment and applications in wireless and network technology.

A large number of hospitals are equipped with high-tech medical equipment but lack trained manpower. This results in long downtime and early classification of equipment as defunct. Routine preventive maintenance is required to ensure proper working condition of equipment and applications.





## Technology at work for you

Connecting your business to the technology resources you need

# Diploma in MEDICAL ELECTRONIC ENGINEERING

KPT(JPS)/(N/523/4/0182)01/19

## Entry Requirement

SPM / SPM V / O-Level	Credit in any 3 subjects including Mathematics and any 1 science subject. Pass in English.
Certificate (Level 3) from Higher Education Provider recognized by Malaysian Government	Pass with CGPA $\geq$ 2.0 in related field.
Certificate from Community College (Level 3)	Pass with CGPA $\geq$ 2.0 in related field and pass in SPM with at least 1 credit.
Sijil Vokasional / Teknikal / Sijil Kemahiran (Level 3)	Recognized certificate in related field OR equivalent to 1 year of working experience in related field OR minimum 1 semester of bridging programme and pass in SPM with at least 1 credit.
Other Qualification	Other equivalent qualification that is recognized by Malaysian government.
UEC	Atleast grade B in 3 subjects including Mathematics & one science subject. Pass in English.

## Career Opportunities

Diploma holders in Medical Electronic Engineering can be employed as Technicians / Assistant Engineers / Engineers in the following areas:

- Hospitals
- Healthcare Industries
- Research & Development
- Electronic Industrial
- Services Sales

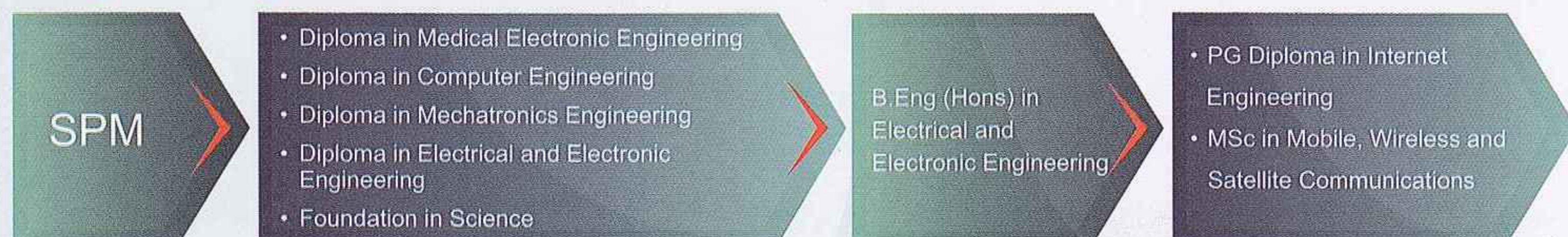
## How to Apply?

The Application Form can be downloaded from: [www.aimst.edu.my](http://www.aimst.edu.my)

The following should be attached to the application form.

- 3 passport size photographs (8 for international applications)
- 1 certified true copy of Identity Card
- Non-refundable processing fee of RM100.00 (USD 150 for international applicants) made payable to "AIMST SDN BHD REV ACCOUNT" in the form of bank draft/postal order/money order
- Certified true copy of academic transcript or other relevant results

## Study Pathway



To submit applications or for more information, please contact

## Student Recruitment Division

AIMST University, Semeling, 08100 Bedong, Kedah Darul Aman, Malaysia.

D/L (6) 04-429 8108 • G/L (6) 04-429 8000 • F (6) 04-429 8009

E: [choose@aimst.edu.my](mailto:choose@aimst.edu.my)

## Objectives

- To train the students by means of a dynamic and innovative curricula, with adequate abilities and professional skills that satisfy the local and international needs. Also to ensure the need for modifying our students on a continuous basis to cope with the latest developments in medical electronic engineering related industries with a focus on specific industrial needs for students to practice medical electronic engineering effectively in multinational industries.
- To provide an interactive learning environment that fosters faculty-student communication and promotes lifelong learning and career development.
- To enhance faculty staff, employees and student involvement in local, national and international professional and extracurricular activities.
- To encourage students to participate in various community-related activities.
- To encourage the student in the development of an entrepreneurial spirit with emphasis on creativity, innovation, motivation, team-working and scientific competence.
- To train student in multinational industries that enhance the professional skills in practising engineering.

## Programme Structure

Students need to complete 90 credits which include a Final Year Project and Industrial Training.

### COURSES BY GROUPS – Courses (90 Credits)

- Mathematics
- Principles of Anatomy and Human Physiology
- Introduction to Communication Engineering
- Electrical Circuits
- Basic Electronic
- Introduction to Computer Programming
- Electronic Circuits
- Introduction to Signal Processing
- Bio - Sensors and Transducers
- CAD, Simulation and Drafting
- Microprocessor & Microcontroller
- Hospital Safety and Management
- Bio - Telemetry
- Medical Signal Processing
- Medical Instrumentation
- Industrial Electronic\*
- Robotics and Automation\*
- Principles of Bio - Medical Image Analysis
- Introduction to VLSI
- Embedded Systems in Medicine
- Principles of Diagnostics and Therapeutic Equipments\*
- Biological Control Systems\*
- Engineering Economics & Accounting

\*Elective Course

Note: Compulsory language and other University courses are not listed

100% employability rate for graduates from AIMST Faculty of Engineering & Computer Technology

## Duration

Full Time: Min 2 years 6 months & Max 4 years 6 months

Part Time: Min 3 years 8 months & Max 5 years 8 months



[www.aimst.edu.my](http://www.aimst.edu.my)



AIMST University



Aimst2U

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