



DIPLOMA IN ELECTRONICS ENGINEERING

(R2/523/4/0048)(MQA/FA1767)

Our Partners



Recognition / Membership



Spectrum International University College (DKU055(B))

Lot 2F - 26A, The Main Place Mall, Level 2, Jalan USJ 21/10,
Persiaran Kewajipan, 47630, Subang Jaya, Selangor, Malaysia

Unit 13 - G, Jalan op1/2, One Puchong Business Park, 47160, Puchong, Selangor

No 3-02 & 5-02, Jalan Setia Tropika 1/3, Taman Setia Tropika, 81200, Johor Bahru, Johor, Malaysia

SIUC aims to create leaders, innovative thinkers, and problem solvers – people capable of tackling the most pressing world challenges. We aim to produce quality graduates capable of performing in demanding work environments.

Each of our academic, vocational and adult learning programmes are designed to equip students with the knowledge and skills they need for a rewarding and successful career. We constantly review and renew our courses based on the local and international industry requirements, so that they are relevant, modern and qualify students for careers throughout in the world. We are proud to have 24 years' experience in delivering education service and currently have more than 1,000 students and staffs working together, exploring new ways of thinking and engaging with significant social and scientific challenges of our time.



Chairman Board Of Directors Message

Prof. Emeritus Tan Sri Dato' Dr. Mohamed Salleh Mohamed Yasin

I am indeed honoured to be officially leading this young and gallant team, comprising some formidable professionals who have had extensive administrative and teaching experience. Together we will push SIUC to another height and work tirelessly to make SIUC the chosen place for young generations to pursue their Dreams'. This, of course requires hard work, determination, resilience, no compromises on standards and quality as well as active involvement of all parties involved. As we have great plans for the future ahead, God willing with His Blessing, SIUC will serve you **'A Better Education For A Better Future'.**

Vice Chancellor Message

Prof. Emeritus Dr. Mak Chai

In our rapidly changing world, education transcends the mere acquisition of knowledge. It's the art of moulding individuals capable of flourishing in a diverse and ever-evolving global landscape. At SIUC our unwavering commitment is to foster an inclusive, welcoming environment for all students, regardless of their background nor circumstances.

Our core belief is in the untapped potential within every individual, and we're here to guide our students on their path to academic excellence and personal growth. To empower you for the professional world, we offer a comprehensive range of courses, focusing on both technical and interpersonal skills, alongside immersive experiences within industry settings.



DIPLOMA IN ELECTRONICS ENGINEERING

The Diploma in Electronics Engineering programme prepares students for entry-level positions that deal with practical application of designing and operation of electronic circuits, devices and communication systems. The programme aims to prepare graduates to have a command of electronics engineering knowledge and hands-on skills relevant to industry or to pursue higher studies within the field.

PROGRAMME STRUCTURE

ENTRY REQUIREMENT

1

NORMAL ENTRY

Pass SPM / GCE 'O' level with minimum 3 credits including credit in Mathematics and One subject in Science / Technical / Vocational AND Pass in English.

OR

Recognized Certificate in Engineering / Engineering Technology or its equivalent.

2

APEL.A ENTRY

- Malaysian; and
- 20 years old and above in the year of application; and
- Possess relevant previous working experience/learning; and
- Pass APEL.A assessment by MQA for entry into Diploma programmes.

3

INTERNATIONAL STUDENTS ENTRY

The current applied academic criteria for international students may vary for different countries. The admission criteria will be analysed for its equivalence with MQA standards.

- English Competency Requirement (International Student):
- Achieve a minimum Band 3 in MUET OR equivalent to CEFR (High B1)**.

PROGRAMME OBJECTIVES

4

- **Technical skills** : are technically competent to solve complex problems in electronics engineering and can adapt effectively in a fast-changing environment.
- **Critical thinking** : can critically think, analyse and make decisions that give due consideration to global issues in business, ethics, society and the environment.
- **Leadership, team building** : can communicate effectively, act with integrity, and have the inter-personal skills needed to engage in, lead, and nurture diverse teams.
- **Attitude** : are committed to lifelong learning, research oriented, resourceful & embrace global challenges and opportunities to make a positive impact in society.

Semester 1

(FDL1110) English Proficiency
(FDE1110) Foundation Mathematics
(FDC1110) Computer Applications
(DEE1110) Electrical Circuit I
(MPU2203) Creativity & Innovation Skills /
(MPU2213) Bahasa Kebangsaan A

Semester 3

(MAT1110) Engineering Mathematics I
(DEE2130) Digital Circuit I
(MPU2113) Penghayatan Etika dan Peradaban (warganegara) /
(MPU2163) Bahasa Melayu Komunikasi 1 (bukan warganegara)

Semester 5

(DREM2130) Solar Photovoltaic Fundamental
(DEE2150) Engineering Lab II
(DEE3140) Programmable Logic Controllers
(DEE2160) Digital Circuit II
(FDC1130) C++ Programming

Semester 7

(DEE3000) Industrial Placement

Semester 2

(DEE1140) Semiconductor Devices
(FDL1120) English for Communication
(DEE1150) Engineering Lab I
(DEE2200) Entrepreneurship
(MPU2402) Public Speaking

Semester 4

(FDE2110) Engineering Management
(DEE1130) Electrical Circuit II
(DEE2120) Electronics Circuit
(MPU2302) Integrity and Anti-Corruption
(MAT1110) Engineering Mathematics II

Semester 6

(DEE2170) Microprocessor
(DEE2180) Communication Systems Fundamentals
(DEE2190) Engineering Lab III
(DEE3190) Project
(DEE2140) Engineering Ethics
(DREM2160) Occupational Safety & Health

ASSESSMENTS*

Continuous Assessment (70%)

Individual Assignment
Group Assignment
Laboratory Experiments

Final Assessment (30%)

Final Exam

*Some subjects may have different weightage



CAREER OPPORTUNITY & RECOGNITION

- ◆ Junior Engineer
- ◆ Assistant Engineer
- ◆ Supervisor
- ◆ Technician
- ◆ Maintenance
- ◆ Design
- ◆ Operations
- ◆ Sales



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WHY STUDY @ SPECTRUM



FREE Digital Library



FREE Micro-Credential Courses



FREE Linguaskill English Intensive Classes



SPECTRUM2U Online Portal



Reasonable Fees



Qualified & Engaging Lecturers



Faster Completion via APEL.C



Flexible Teaching & Learning

PROGRAMME KNOWLEDGE



WHAT MAKES SPECTRUM DIFFERENT?

01

APEL Centre

APEL A

1) Access, for the purpose of admission to Spectrum Academic programme.

APEL C

1) The purpose of credit award to students enrolled to Spectrum programme.



02

Reasonable Programme Fee

- Subsidised Tuition Fee including waiver on Administration Fee and Resource Fee for ALL Malaysians regardless of Race, Religion, Ethnicity & Financial background.



03

Pathway to Bachelor Programme

- Spectrum International University College (SIUC) - Bachelor in Business (Technology Management) (BBTM) (ODL)
- Bachelor of Electrical & Electronic Engineering with Honours - Mahsa University (MAHSA)



04

SPECTRUM2U Portal

All study materials (notes, pre-recorded lectures), live webinars and assessments encompassed into one Spectrum2U Portal to ease the teaching & learning processes at Spectrum.



05

Employability

With the ever-increasing demand for skilled technicians and engineers, a Diploma in Electronics Engineering opens doors to diverse career opportunities. From manufacturing and telecommunication to automation and consumer electronics, your versatile skill set will be highly valued by employers.





No. SIRI: **10064**

No. PENDAFTARAN :

MQA/FA1767

PERAKUAN AKREDITASI

AGENSI KELAYAKAN MALAYSIA DENGAN INI MEMPERAKUKAN BAHAWA PROGRAM

Diploma Kejuruteraan Elektronik

YANG DIKENDALIKAN OLEH

Kolej Antarabangsa Teknologi Spektrum

DI ALAMAT

Ground Floor & 1st Floor

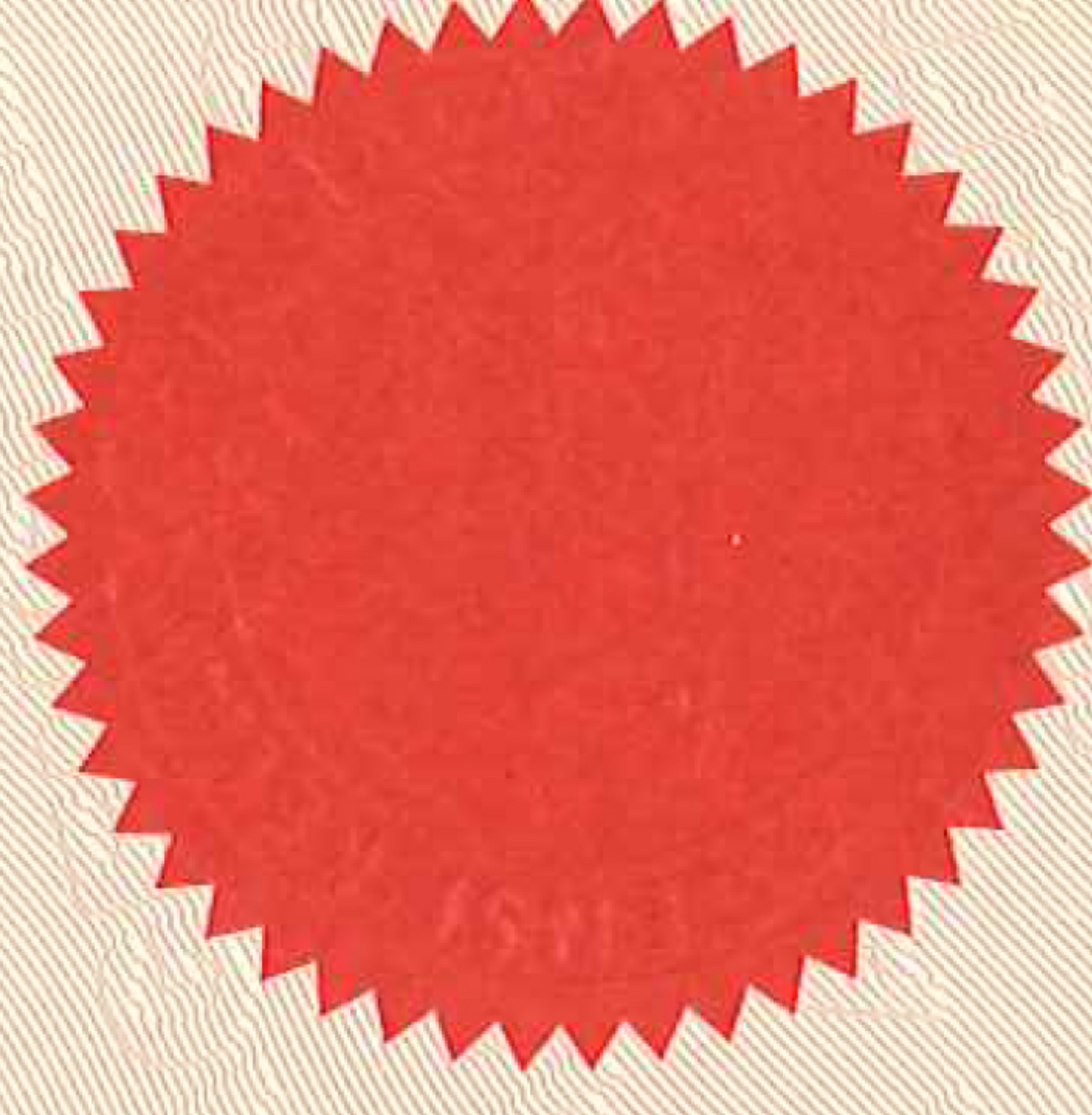
**No. 13, Jalan OP 1/2 Off Jalan Puchong, Puchong Business Park
47160 Puchong, Selangor**

TELAH MENCAPAI STANDARD JAMINAN KUALITI YANG DITETAPKAN OLEH AGENSI DAN
MEMATUHI KERANGKA KELAYAKAN MALAYSIA

Tahap 4

TARIKH AKREDITASI : **18/04/2014**

KETUA PEGAWAI EKSEKUTIF





Ruj Kami: JPT/BPP(K)1000-600/B2116 Jld. 3 (21)
Tarikh : 17 Februari 2022

Ketua Eksekutif
Kolej Antarabangsa Teknologi Spektrum
Ground Floor dan 1st Floor
No.13 Jalan OP ½, Off Jalan Puchong
Puchong Business Park
47160, Puchong
SELANGOR

Tuan,

KELULUSAN MEMPERBAHARUI KURSUS PENGAJIAN

Dengan hormatnya saya merujuk kepada perkara di atas.

2. Sukacita dimaklumkan bahawa permohonan tuan untuk memperbaharui pengendalian kursus pengajian adalah **diluluskan** di bawah Seksyen 40 (A) Akta Institusi Pendidikan Tinggi Swasta 1996 [Akta 555]:

2.1 Nama Kursus: Diploma in Electronics Engineering (R2/523/4/0048)

Bidang Kursus	523 – Electronics and Automation
Tahap kursus	Diploma / Tahap 4 (Kelayakan ini untuk kemasukan ke program tahap lebih tinggi)
Jenis program	Sendiri
Kaedah penawaran	Konvensional
Kaedah pengendalian	Kuliah, Tutorial, Amali dan Latihan Industri
Skim Pengajian	Sepenuh Masa

