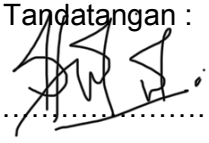
PUSAT PENGURUSAN KUALITI UNIVERSITI (PPQ)

NAMA DOKUMEN	**:**	**SURAT PEKELILING MQA BIL. 1/2024** **PENAMBAHBAIKAN STANDARD PROGRAM: KOMPUTERAN EDISI KETIGA (2023)**
NOMBOR RUJUKAN	**:**	**MQA.100-1/3/1(4)**
EDISI	**:**	**KETIGA**
TARIKH KUATKUASA	**:**	**01 FEBRUARI 2024**

DILULUSKAN

Tandatangan :



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Nama: Ts. Dr. Hasnita binti Che Harun

Jawatan: Pengarah PPQ

Tarikh: 14 Februari 2024

Agensi Kelayakan Malaysia
Malaysian Qualifications Agency

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AGENSI KELAYAKAN MALAYSIA
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POLISI TIDAK MENERIMA HADIAH

TERIMA
14 FEB 2024
PUSAT PENGURUSAN KUALITI UNIVERSITI
PEJABAT NAIB CANSELOR UMK

TERIMA
28 JAN 2024
PEJ. NAIB CANSELOR
UMK BC

Ruj. Kami : MQA.100-1/3/1 (4)
Tarikh : 4 Januari 2024

KEPADA SEMUA PEMBERI PENDIDIKAN TINGGI (PPT)

Tuan/Puan,

SURAT PEKELILING MQA BIL. 1/2024

PENAMBAHBAIKAN STANDARD PROGRAM: KOMPUTERAN EDISI KETIGA (2023)

Dengan hormatnya saya merujuk kepada perkara di atas dan Pekeliling MQA Bil. 3/2023 – Penggunaan Edisi Terkini Standard Program: Komputeran bertarikh 29 Mei 2023.

2. Pihak Agensi Kelayakan Malaysia (Malaysian Qualifications Agency, MQA) telah menerima cadangan penambahbaikan daripada pihak berkepentingan untuk menambah baik Standard Program: Komputeran (2023). Penambahbaikan terhadap dokumen Standard Program ini akan memberikan panduan yang lebih jelas kepada Pemberi Pendidikan Tinggi (PPT), panel penilai dan pegawai MQA dalam penilaian permohonan Akreditasi Sementara dan Akreditasi Penuh program.

3. Bagi menggalakkan diversiti dan inovasi dalam penawaran kursus, kandungan dan struktur kurikulum minimum bagi tahap **Ijazah Sarjana Muda (Tahap 6, Kerangka Kelayakan Malaysia, KKM) pada *Area 1: Programme Development and Delivery*** ditambah baik seperti di **Lampiran A**.

4. Syarat kelayakan masuk minimum yang dinyatakan di ***Table 4 Area 3: Student Selection*** telah dikaji semula dan diperincikan untuk setiap tahap pengajian seperti di **Lampiran B**.

5. Selain itu, MQA telah menetapkan penyataan di ruangan **Nota** bagi ***Area 4: Academic Staff*** seperti di **Lampiran C.**

6. Kelayakan bagi Ketua Program dalam **Table 7** ***Area 6: Programme Management***, di **Appendix 5** ***Example of Nomenclature*** dan ***Glossary*** juga telah ditambah baik sebagai rujukan PPT. Perincian penambahbaikan bagi perkara ini boleh dirujuk di **Lampiran D.**

7. Pelaksanaan dan pematuhan terhadap **penambahbaikan Standard Program: Komputeran Edisi Ketiga** berkuatkuasa mulai **01 Februari 2024.**

8. Sebarang penambahbaikan yang dinyatakan seperti diatas boleh disemak secara terperinci dalam dokumen penambahbaikan (updated version Disember 2023) dan pada halaman *Amendment Records*. Dokumen penambahbaikan Standard Program: Komputeran Edisi Ketiga boleh dirujuk dan dimuat turun melalui portal MQA, www.mqa.gov.my.

Sekian, terima kasih.

"PENDIDIKAN TINGGI BERKUALITI GLOBAL"

"MALAYSIA MADANI"

"BERKHIDMAT UNTUK NEGARA"

Saya yang menjalankan amanah,

DATO' PROF. DR. MOHAMMAD SHATAR BIN SABRAN (DIMP, DPMP)

LAMPIRAN A

PENAMBAHBAIKAN STANDARD PROGRAM: KOMPUTERAN EDISI KETIGA (2023)

AREA 1: PROGRAMME DEVELOPMENT AND DELIVERY

PERKARA **(Bagi Tahap Ijazah Sarjana Muda (Tahap 6, Kerangka Kelayakan Malaysia, KKM)**	**PENAMBAHBAIKAN**
Table 2.3	Menetapkan tiada kredit minimum atau kosong (0) kredit bagi komponen Elektif Bebas (Free Electives) untuk semua jenis penganugerahan (Type of Award)
	Meminda penetapan minimum 16 kredit kepada penyataan minimum '25% from core of another fields' bagi komponen Minor untuk 'Major – Minor Programme'.
	Meminda penetapan minimum 51 kredit kepada penyataan minimum '50% from second major of another fields' bagi komponen 'The core of second major from other disciplines' untuk 'Double Major Programme (Non-Computing Discipline)'.
Nota	Penetapan minimum 25% daripada komponen teras bidang (Major-Minor Programme) tersebut atau 50% daripada major bidang kedua [Double Major Programme (Non-Computing Disciplines)] adalah tertakluk kepada ketetapan standard program bidang yang berkenaan.
	Bagi bidang yang tidak tertakluk kepada mana-mana standard program, PPT perlu memastikan komponen teras atau *Body of Knowledge* (BoK) yang mencukupi dan bersesuaian dengan bidang tersebut.

LAMPIRAN B

AREA 3: STUDENT SELECTION

PENAMBAHBAIKAN *TABLE 4: GENERAL REQUIREMENT FOR STUDENT ADMISSION*

TAHAP	KELAYAKAN YANG DINYATAKAN DALAM STANDARD PROGRAM SEDIA ADA	PENAMBAHBAIKAN
CERTIFICATE (LEVEL 3, MQF)	*i. Possess Sijil Pelajaran Malaysia (SPM) or its equivalent with at least ONE (1) credit and a pass in Mathematics;* ***OR*** *ii. Possess Sijil Kemahiran Malaysia (SKM) Level 2 in a related field and a pass in Mathematics at SPM level or its equivalent;* ***OR*** *iii. Other relevant equivalent qualifications recognised by the Malaysian Government.*	*i. Possess Sijil Pelajaran Malaysia (SPM) or its equivalent with at least ONE (1) credit and a pass in Mathematics;* ***OR*** *ii. Possess Sijil Kemahiran Malaysia (SKM) Level 2 in a related field. (Candidates without Mathematics can be admitted subject to a thorough rigorous assessment to determine their competencies in Mathematics that are equivalent to SPM level);* ***OR*** *iii. Other relevant equivalent qualifications recognised by the Malaysian Government. (Candidates can be admitted if their admission qualification contains Mathematics subject (s) equivalent to Mathematics at the SPM level. Those without a pass in Mathematics at SPM level or equivalent can be admitted but required to take and pass the reinforcement Mathematics subject. The reinforcement Mathematics subject must be offered in the first semester or before enrolment with unconditional offer).*
DIPLOMA (LEVEL 4, MQF)	*i. Possess SPM with at least THREE (3) credits in any subjects (inclusive of Mathematics or any equivalent qualification);* ***OR***	*i. Possess SPM with at least THREE (3) credits in any subjects (inclusive of Mathematics or any equivalent qualification);* ***OR***

	ii. *A pass in Sijil Tinggi Persekolahan Malaysia (STPM) with a minimum grade of C [Cumulative Grade Point Average (CGPA) 2.00] in any subject or equivalent qualification and a credit in Mathematics at SPM level or its equivalent;* ***OR*** iii. *A pass in Sijil Tinggi Agama Malaysia (STAM) with a minimum grade of Maqbul (Pass) and a credit in Mathematics at SPM level or its equivalent;* ***OR*** iv. *Possess SKM Level 3 and a credit in Mathematics at SPM level or its equivalent;* ***OR*** v. *A Certificate (Level 3, MQF) in any qualification with at least a CGPA of 2.00;* ***OR*** vi. *A pass in any qualification equivalent to certificate (Level 3, MQF);* ***OR*** vii. *Other relevant & equivalent qualifications recognised by the Malaysian Government.* ***Notes:*** • *Candidates with a pass in Mathematics at an SPM level or its equivalent may be admitted if the certificate programme contains subjects in Mathematics that are equivalent to Mathematics at SPM level.* • *Candidates with a pass in Mathematics at SPM level and without a related certificate need to take a reinforcement Mathematics subject with appropriate*	ii. *A pass in Sijil Tinggi Persekolahan Malaysia (STPM) with a minimum Grade C of Grade Point (GP) 2.00 in any TWO (2) subjects and a credit in Mathematics at SPM level (or Mathematics equivalent to SPM);* ***OR*** iii. *A pass in Sijil Tinggi Agama Malaysia (STAM) with a minimum grade of Maqbul (Pass) and a credit in Mathematics at SPM level (or Mathematics equivalent to SPM);* ***OR*** iv. *Possess SKM Level 3 in a related field. (Candidates without Mathematics can be admitted subject to a thorough rigorous assessment to determine their competencies in Mathematics that are equivalent to SPM level);* ***OR*** v. *A Certificate (Level 3, MQF) in a related field with at least a CGPA of 2.00;* ***OR*** vi. *Other relevant and equivalent qualifications recognised by the Malaysian Government. (Candidates can be admitted if their admission qualification contains Mathematics subject (s) equivalent to Mathematics at the SPM level. Those without a pass in Mathematics at SPM level or equivalent can be admitted but required to take and pass the reinforcement Mathematics subject. The reinforcement Mathematics subject must be offered in the first semester or before enrolment with unconditional offer).* ***Notes:*** • *Candidates with a pass in Mathematics at the SPM level (or Mathematics equivalent to SPM) may be admitted if their admission qualification contains Mathematics subject(s) equivalent to Mathematics at the SPM level.* • *Candidates with a pass in Mathematics at SPM level (or Mathematics equivalent to SPM) and without a Mathematics subject in their admission qualification need to take and pass the reinforcement Mathematics subject that is equivalent to the*

	topics in the discipline of Computing at the beginning of the study. • *Candidate with a credit in a Computing-related subject at SPM level or its equivalent may be given preferential consideration.*	*SPM level. The reinforcement Mathematics subject must be offered in first semester or before enrolment with unconditional offer.* • *Candidates with a credit in Computing-related subject(s) at the SPM level (or equivalent to SPM level) may be given preferential consideration.*
BACHELOR'S DEGREE (LEVEL 6, MQF)	***Bachelor's Degree in Information Technology / Information Systems*** *i. A pass in STPM with a minimum grade of C (CGPA 2.00) in any TWO (2) subjects;* ***OR*** *ii. A pass in STAM with a minimum grade of Jayyid in any TWO (2) subjects;* ***OR*** *iii. A pass in Matriculation or Foundation studies with a minimum CGPA of 2.00;* ***OR*** *iv. Any other Diploma (Level 4, MQF) with a minimum CGPA of 2.75. Candidates with a CGPA below 2.75 but more than 2.00 may be admitted subject to a thorough internal evaluation process;* ***AND** a credit in:* • *Mathematics at SPM level or its equivalent;* ***OR*** • *Candidates with a pass in Mathematics, need to take a reinforcement Mathematics with appropriate topics in the discipline of Information Technology and Information Systems at the beginning of the study.*	***Bachelor's degree in Information Technology / Information Systems*** *i. A pass in STPM with a minimum Grade of C (GP 2.00) in any TWO (2) subjects;* ***OR*** *ii. A pass in STAM with a minimum Grade of Jayyid in any TWO (2) subjects;* ***OR*** *iii. A pass in Matriculation or Foundation studies with a minimum CGPA of 2.00;* ***OR*** *iv. Diploma (Level 4, MQF) in Non-Computing with a minimum CGPA of 2.75. Candidates with a CGPA below 2.75 but more than 2.50 can be admitted subject to a thorough rigorous assessment;* ***AND** a credit in:* • *Mathematics at SPM level or its equivalent;* ***OR*** • *Candidates with a pass in Mathematics at SPM level need to take and pass the reinforcement Mathematics subject that is equivalent to the SPM level. The reinforcement Mathematics subject must be offered in first semester or before enrolment with unconditional offer.*

	OR	
	v. Diploma in Computing (Level 4, MQF) or equivalent with a minimum CGPA of 2.50. Candidates with a CGPA below 2.50 but more than 2.00 may be admitted subject to a thorough internal evaluation process; ***OR***	*v. Diploma in Computing fields (Level 4, MQF) or equivalent with a minimum CGPA of 2.50. Candidates with a CGPA below 2.50 but more than 2.00 may be admitted subject to a thorough rigorous assessment;* ***OR***
	vi. Any other Diploma in Science and Technology or Business Studies with a minimum CGPA of 2.5 may be admitted, subject to a rigorous internal assessment process and a credit in Mathematics at SPM level or its equivalent; ***OR***	*vi. Diploma Kemahiran Malaysia (DKM) / Diploma Vokasional Malaysia (DVM) in Computing fields with a minimum CGPA of 2.50 subjected to HEP Senate / Academic Board's approval;* ***OR***
	vii. Diploma Kemahiran Malaysia (DKM) / Diploma Vokasional Malaysia (DVM) in Computing fields with a minimum CGPA of 2.50 subjected to HEP Senate / Academic Board's approval; ***OR***	*vii. Diploma Lanjutan Kemahiran Malaysia (DLKM) in Computing fields with a minimum CGPA of 2.50 subjected to HEP Senate / Academic Board's approval;* ***OR***
	viii. Diploma Lanjutan Kemahiran Malaysia (DLKM) in Computing fields with a minimum CGPA of 2.50 subjected to HEP Senate / Academic Board's approval.	*viii. Other relevant and equivalent qualifications recognised by the Malaysian Government. (Candidates can be admitted if their admission qualification contains Mathematics subject (s) equivalent to Mathematics at the SPM level. If it is not equivalent, the reinforcement Mathematics subject equivalent to the SPM level must be offered in first semester or before enrolment with unconditional offer).*
	Notes: • *Students are required to pass the Reinforcement Mathematics before being allowed to take related core courses. The candidate can sit for any subjects that did not indicate Mathematics as a prerequisite.* • *Reinforcement Mathematics can contribute to the overall graduating credit.* • *Students from Matriculation / Foundation or its equivalent can be exempted from taking the*	***Notes:*** • *Students are required to pass the reinforcement Mathematics before being allowed to take related core courses. The candidate can sit for any subjects that did not indicate Mathematics as a prerequisite.* • *Reinforcement Mathematics can contribute to the overall graduating credit.* • *Students from Matriculation / Foundation or its equivalent can be exempted from taking reinforcement Mathematics,*

	Reinforcement Mathematics, provided that the Mathematics offered at that programme level is equivalent / more than the Additional Mathematics offered at an SPM level.	*provided that the Mathematics offered at that programme level is equivalent / more than the Additional Mathematics offered at an SPM level.*
	Bachelor's Degree in Computer Science / Software Engineering / Data Science i. *A pass in Matriculation or Foundation studies with a minimum CGPA of 2.00;* ***OR*** ii. *A pass in STPM with a minimum grade of C (CGPA 2.00) in any TWO (2) subjects or any equivalent qualification;* ***OR*** iii. *A pass in STAM with a minimum grade of Jayyid in any TWO (2) subjects;* ***AND*** *a credit in:* • *Additional Mathematics at 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 a reinforcement course equivalent to Additional Mathematics with appropriate topics in the discipline of Computer Science, Data Science or Software Engineering at the beginning of the study.* ***OR***	***Bachelor's degree in Computer Science / Software Engineering / Data Science*** *i. A pass in STPM (Arts Stream) with a minimum Grade of C (GP 2.00) in any TWO (2) subjects;* ***OR*** *ii. A pass in STAM with a minimum Grade of Jayyid in any TWO (2) subjects;* ***OR*** *iii. A pass in Matriculation or Foundation studies with a minimum CGPA of 2.00;* ***OR*** *iv. Any Diploma in Science and Technology (Level 4, MQF) with a minimum CGPA of 2.75. Candidates with a CGPA below 2.75 but more than 2.50 can be admitted subject to a thorough rigorous assessment;* ***AND*** *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. The subject must be offered in first semester or before enrolment with unconditional offer.*

	iv. A pass in STPM (Science Stream) or its equivalent with a minimum grade of C (CGPA 2.00) in Mathematics subject and ONE (1) Science / ICT subject; ***OR*** *v. Diploma in Computing (Level 4, MQF) or its equivalent with a minimum CGPA of 2.50 Candidates with a CGPA below 2.50 but more than 2.00 may be admitted subject to a thorough internal evaluation process;* ***OR*** *vi. Any Diploma in Science and Technology (Level 4, MQF) with a minimum CGPA of 2.75. Candidates with a CGPA below 2.75 but more than 2.00 may be admitted subject to a thorough internal evaluation process;* ***OR*** *vii. Diploma Kemahiran Malaysia (DKM) /Diploma Vokasional Malaysia (DVM) in Computing fields with a minimum CGPA of 2.50 subjected to HEP Senate / Academic Board's approval;* ***OR*** *viii. Diploma Lanjutan Kemahiran Malaysia (DLKM) in Computing fields with a minimum CGPA of 2.50 subjected to HEP Senate / Academic Board's approval.* ***Notes:*** • *Students are required to pass the Reinforcement Mathematics before being allowed to take related core courses. The candidate can sit for any subjects that did not indicate Mathematics as a prerequisite.* • *Reinforcement Mathematics can contribute to the overall graduating credit.* • *Students from Matriculation / Foundation or its equivalent can be exempted from taking the Reinforcement Mathematics, provided that the*	***OR*** *v. A pass in STPM (Science Stream) or its equivalent with a minimum Grade of C (GP 2.00) in Mathematics subject and ONE (1) Science / ICT subject;* ***OR*** *vi. Diploma in Computing fields (Level 4, MQF) or its equivalent with a minimum CGPA of 2.50 Candidates with a CGPA below 2.50 but more than 2.00 may be admitted subject to a thorough internal evaluation process;* ***OR*** *vii. Diploma Kemahiran Malaysia (DKM) / Diploma Vokasional Malaysia (DVM) in Computing fields with a minimum CGPA of 2.50 subjected to HEP Senate / Academic Board's approval;* ***OR*** *viii. Diploma Lanjutan Kemahiran Malaysia (DLKM) in Computing fields with a minimum CGPA of 2.50 subjected to HEP Senate / Academic Board's approval;* ***OR*** *ix. Other relevant and equivalent qualifications recognised by the Malaysian Government. (Candidates can be admitted if their admission qualification contains Mathematics subject (s) equivalent to Additional Mathematics at the SPM level. If it is not equivalent, reinforcement Mathematics subject that equivalent to the SPM level must be offered in the first semester or before enrolment with unconditional offer).* ***Notes:*** • *Students are required to pass the reinforcement Mathematics before being allowed to take related core courses. The candidate can sit for any subjects that did not indicate Mathematics as a prerequisite.* • *Reinforcement Mathematics can contribute to the overall graduating credit.* • *Students from Matriculation / Foundation or its equivalent can be exempted from taking reinforcement Mathematics,*

	Mathematics offered at that programme level is equivalent / more than the Additional Mathematics offered at an SPM level.	*provided that the Mathematics offered at that programme level is equivalent / more than the Additional Mathematics offered at an SPM level.*
MASTER'S DEGREE (LEVEL 7, MQF)	***Master's Degree by Coursework*** *i. A Bachelor's degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 2.50, as accepted by the HEP Senate;* ***OR*** *ii. A Bachelor's degree (Level 6, MQF) in Computing or related fields or equivalent with a minimum CGPA of 2.00 can be accepted subject to a minimum of FIVE (5) years of working experience in the related fields and rigorous internal assessment;* ***OR*** *iii. Other qualifications equivalent to a Bachelor's degree (Level 6, MQF) in the field of Computing or related fields recognised by the Government of Malaysia must undergo appropriate prerequisite courses as determined by the HEP;* ***OR*** *iv. Candidates without a qualification in the related fields or relevant working experience must undergo appropriate prerequisite courses as determined by the HEP and meet a minimum CGPA of 2.00 with minimum of FIVE (5) years of working experience in the related fields, and rigorous internal assessment.*	***Master's Degree by Coursework*** *i. A Bachelor's degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 2.50, as accepted by the HEP Senate;* ***OR*** *ii. A Bachelor's degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 2.00 and not meeting a CGPA of 2.50 can be accepted subject to a thorough rigorous assessment as determined by the HEP;* ***OR*** *iii. A Bachelor's degree (Level 6, MQF) in Non-Computing field with a minimum CGPA of 2.00 can be accepted subject to a thorough rigorous assessment as determined by the HEP to identify the appropriate prerequisite courses that equivalent to their working experience in Computing or related fields;* ***OR*** *iv. A Bachelor's degree (Level 6, MQF) in Non-Computing field with a minimum CGPA of 2.00 can be accepted subject to appropriate prerequisite courses;* ***OR*** *v. Other qualifications equivalent to a Bachelor's degree (Level 6, MQF) in Computing or related fields recognised by the Government of Malaysia must fulfil the requirement on item i or ii.*

	Master's Degree by Mixed Mode *i. A Bachelor's degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 2.75 or equivalent, as accepted by the HEP Senate;* ***OR*** *ii. A Bachelor's degree (Level 6, MQF) in Computing or related fields or equivalent with a minimum CGPA of 2.50 can be accepted subject to rigorous internal assessment;* ***OR*** *iii. A Bachelor's degree (Level 6, MQF) in Computing or related fields or equivalent with a minimum CGPA of 2.00 can be accepted subject to a minimum of FIVE (5) years of working experience in the related fields and rigorous internal assessment;* ***OR*** *iv. Other qualifications equivalent to a Bachelor's degree (Level 6, MQF) in the field of Computing or related fields recognised by the Government of Malaysia must undergo appropriate prerequisite courses as determined by the HEP;* ***OR*** *v. Candidates without a qualification in the related fields or relevant working experience must undergo appropriate prerequisite courses as determined by the HEP and meet a minimum CGPA of 2.00 with a minimum of FIVE (5) years of working experience in the related fields and rigorous internal assessment.*	***Master's Degree by Mixed Mode*** *i. A Bachelor's degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 2.75, as accepted by the HEP Senate;* ***OR*** *ii. A Bachelor's degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 2.00 and not meeting a CGPA of 2.75 can be accepted subject to a thorough rigorous assessment as determined by the HEP;* ***OR*** *iii. A Bachelor's degree (Level 6, MQF) in Non-Computing field with a minimum CGPA of 2.50 can be accepted subject to a thorough rigorous assessment as determined by the HEP to identify the appropriate prerequisite courses that equivalent to their working experience in the Computing or related fields;* ***OR*** *iv. A Bachelor's degree (Level 6, MQF) in Non-Computing fields with a minimum CGPA of 2.50 can be accepted subject to appropriate prerequisite courses;* ***OR*** *v. Other qualifications equivalent to a Bachelor's degree (Level 6, MQF) in Computing or related fields recognised by the Government of Malaysia must fulfil the requirement on item i or ii.*
	Master's Degree by Research *i. A Bachelor's degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 3.00 or equivalent, as accepted by the HEP Senate;* ***OR***	***Master's Degree by Research*** *i. A Bachelor's degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 3.00, as accepted by the HEP Senate;* ***OR***

	ii. *A Bachelor's degree (Level 6, MQF) in Computing or related fields or equivalent with a minimum CGPA of 2.75 can be accepted subject to rigorous internal assessment;* ***OR*** iii. *A Bachelor's degree (Level 6, MQF) in Computing or related fields or equivalent with a minimum CGPA of 2.50 can be accepted subject to a minimum of FIVE (5) years of working experience in the related fields and rigorous internal assessment;* ***OR*** iv. *Other qualifications equivalent to a Bachelor's degree (Level 6, MQF) in the field of Computing or related fields recognised by the Government of Malaysia must undergo appropriate prerequisite courses as determined by the HEP;* ***OR*** v. *Candidates without a qualification in the related fields or relevant working experience must undergo appropriate prerequisite courses as determined by the HEP and meet a minimum CGPA of 2.50 with a minimum of FIVE (5) years of working experience in the related fields and rigorous internal assessment.*	ii. *A Bachelor's degree (Level 6, MQF) in Computing or related fields with a minimum CGPA of 2.00 and not meeting a CGPA of 3.00 can be accepted subject to a thorough rigorous assessment as determined by the HEP;* ***OR*** iii. *A Bachelor's degree (Level 6, MQF) in Non-Computing field with a minimum CGPA of 2.50 can be accepted subject to a thorough rigorous assessment as determined by the HEP to identify the appropriate prerequisite courses that equivalent to their working experience in the Computing or related fields;* ***OR*** iv. *A Bachelor's degree (Level 6, MQF) in Non-Computing field with a minimum CGPA of 2.50 can be accepted subject to appropriate prerequisite courses;* ***OR*** v. *Other qualifications equivalent to a Bachelor's degree (Level 6, MQF) in Computing or related fields recognised by the Government of Malaysia must fulfil the requirement on item i or ii.*
ADDITIONAL NOTES:	• *Rigorous assessment can be done through interviews, portfolios, written tests, or any form of assessment.* • *The prerequisite courses should cover the minimum requirements of the common knowledge area in Computing such as Computer Architecture, Database Fundamentals, Network and Data Communication, Programming Fundamentals and System Analysis and Design Fundamentals that are equivalent to level 6. These courses must be offered as a prerequisite to related core courses.*	

LAMPIRAN C

AREA 4: ACADEMIC STAFF

PERKARA	PENAMBAHBAIKAN
Nota	Minimum bilangan staf akademik dalam bidang perlu merujuk kepada beban tugas yang bersesuaian.
	Staf akademik sedia ada yang tidak mempunyai kelayakan dalam Ijazah Sarjana Muda (Tahap 6, KKM) dalam bidang Komputeran tetapi mempunyai sekurang-kurangnya lima (5) tahun pengalaman mengajar dalam bidang Komputeran boleh diterima untuk mengajar kursus disiplin Komputeran yang berkaitan dengan pengalaman mengajar staf akademik tersebut. Namun PPT perlu membuktikan penglibatan staf akademik tersebut dalam aktiviti pembelajaran formal dan tidak formal.
	Bagi pengambilan staf akademik baharu untuk semua program Komputeran perlu mematuhi syarat pelantikan yang terkini seperti yang ditetapkan.

LAMPIRAN D

AREA 6: PROGRAMME MANAGEMENT

KELAYAKAN BAGI KETUA PROGRAM

TAHAP	KELAYAKAN YANG DINYATAKAN DALAM STANDARD PROGRAM SEDIA ADA	PENAMBAHBAIKAN
BACHELOR'S DEGREE (LEVEL 6, MQF)	*Master's degree (Level 7, MQF) AND Bachelor's degree (Level 6, MQF) in Computing field and THREE (3) years of academic experience.*	*Master's degree (Level 7, MQF) AND Bachelor's degree (Level 6, MQF) in the Computing field with at least one of the qualifications must in a discipline of programme and THREE (3) years of academic experience.*
MASTER'S DEGREE (LEVEL 7, MQF)	• *Doctoral degree (Level 8, MQF) AND Master's degree* (Level 7, MQF) AND Bachelor's degree (Level 6, MQF) in Computing field and THREE (3) years of academic experience;* ***OR*** • *Master's degree (Level 7, MQF) AND Bachelor's degree (Level 6, MQF) in Computing field with TEN (10) years of related experience, including THREE (3) years of academic experience.* **Those without a Master's degree must have a Doctoral degree and a Bachelor's degree in Computing field.*	• *Doctoral degree (Level 8, MQF) AND Master's degree* (Level 7, MQF) AND Bachelor's degree (Level 6, MQF) in the Computing field with at least one of the qualifications must in a discipline of the programme and THREE (3) years of academic experience;* ***OR*** • *Master's degree (Level 7, MQF) AND Bachelor's degree (Level 6, MQF) in the Computing field with at least one of the qualifications must in a discipline of the programme and TEN (10) years of related experience, including THREE (3) years of academic experience.* **Those without a Master's degree must have a Doctoral degree and a Bachelor's degree in Computing field.*
DOCTORAL DEGREE (LEVEL 8, MQF)	*Doctoral degree (Level 8, MQF) AND Master's degree* (Level 7, MQF) AND Bachelor's degree (Level 6, MQF) in Computing field and THREE (3) years of academic experience.* **Those without a Master's degree must have a doctoral and a Bachelor's degree in Computing field.*	*Doctoral degree (Level 8, MQF) AND Master's degree* (Level 7, MQF) AND Bachelor's degree (Level 6, MQF) in the Computing field with at least one of the qualifications must in a discipline of the programme and THREE (3) years of academic experience.* **Those without a Master's degree must have a Doctoral degree and a Bachelor's degree in Computing field.*

LAIN-LAIN PENAMBAHBAIKAN

AREA	DINYATAKAN DALAM STANDARD PROGRAM SEDIA ADA	PENAMBAHBAIKAN
Example of Nomenclature	***Bachelor – Single Major*** *i. Bachelor of Information Technology* *ii. Bachelor of Information Systems* *iii. Bachelor of Data Science* ***Bachelor – Major with Specialisation*** *i. Bachelor of Computer Science (Mobile Application)* *ii. Bachelor of Information Systems (Business Management)* *iii. Bachelor of Software Engineering (Software Testing)* *iv. Bachelor of Data Science (Artificial Intelligence)* *v. Bachelor of Computer Science (Cyber Security)* *vi. Bachelor of Information Technology (Cyber Security)* *Bachelor of Computer Science (Software Engineering)* ***IS NOT ALLOWED.*** ***Bachelor – Major and Minor*** *i. Bachelor of Computer Science with Marketing* *ii. Bachelor of Software Engineering with Entrepreneurship* ***Master's Degree by Coursework and Mixed Mode*** ***With Prefix*** *i. Master of Computer Science* *ii. Master of Data Science* *iii. Master of Computer Science (Mobile Development)* ***Without Prefix*** *i. Master of Cybersecurity* *ii. Master of Mobile Application Development* ***Master's Degree by Research*** ***With Prefix*** *Master of Computer Science*	***Amendment on Example:*** ***Bachelor – Single Major*** *i.Bachelor of Science in Information Technology* *ii. Bachelor in Information Systems* *iii. Bachelor in Data Science* ***Bachelor – Major with Specialisation*** *i. Bachelor of Science in Computer Science (Mobile Application)* *ii.Bachelor in Information Systems (Business Management)* *iv.Bachelor in Software Engineering (Software Testing)* *v.Bachelor in Data Science (Artificial Intelligence)* *vi.Bachelor in Computer Science (Cyber Security)* *vii.Bachelor in Information Technology (Cyber Security)* *Bachelor in Computer Science (Software Engineering)* ***IS NOT ALLOWED.*** ***Bachelor – Major and Minor*** *i. Bachelor of Science in Computer Science with Marketing* *ii. Bachelor in Software Engineering with Entrepreneurship* ***Master's Degree by Coursework and Mixed Mode*** ***With Prefix*** *i. Master of Science in Computer Science* *ii. Master in Data Science* *iii. Master in Computer Science (Mobile Development)* ***Without Prefix*** *i. Master in Cybersecurity* *ii. Master in Mobile Application Development* ***Master's Degree by Research*** ***With Prefix*** *Master of Science Computer Science*

Glossary	-	***Related Field:*** *Refer to any computing discipline and its sub-fields.* ***Relevant Field:*** *Refer to any discipline from Science, Technology, Engineering and Mathematics.*