UNIVERSITY OF COLOMBO, SRI LANKA

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

MASTER OF COMPUTER SCIENCE
AND MASTER OF SCIENCE IN COMPUTER SCIENCE

BY-LAWS

of the

Master of Computer Science and Master of Science in Computer Science

By-Laws made by the University of Colombo under Section 135 of the Universities Act, No.16 of 1978 and under Section 13 of the University of Colombo School of Computing Ordinance No.01 of 2002.

BY-LAWS

Whereas the University of Colombo has been conducting the programmes leading to Master of Computer Science and Master of Science in Computer Science since 2008 under its Master of Computer Science By-Laws No.8 of 2008;

Whereas the said By-Laws have subsequently been amended by the University in 2009 and 2017 and the said Degree programmes have been conducted in terms of the said By-Laws as amended since 2017 and that students have been registered under the said amended By-Laws whose registration is still in operation;

Whereas the University Grants Commission has published Qualifications Framework norms, duration, credit values, etc. of different levels of academic qualification and has impressed upon the University to revise the existing programmes to bring them in line with the requirements in the published Qualifications Framework and the Institute of Electrical, Electronics Engineers (IEEE) and Association for Computing Machinery (ACM) Curriculum Guidelines;

Whereas it has become necessary to revise and revamp the programme leading to Master of Computer Science and Master of Science in Computer Science to bring them on par with the requirements laid down in the Sri Lanka Qualifications Framework as updated and published by the University Grants Commission in 2015;

Whereas it is also important to take cognizance that the sphere of Computer Science is a fast developing and changing one which requires constant innovation, updating and modernising of the curriculum, including its syllabi and method of learning & teaching, if the would-be Degree holders are of relevance and of use to the profession

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and industry, and as such, the innovation and updating may have to take place on an annual basis facilitating the Degree holders to be up-to-date in skills & knowledge to respond to contemporary needs of the profession and industry;

Whereas a new batch of students has been admitted to the University under the newly formulated curriculum which has already been approved by the Academic Syndicate and the Board of Management of the University of Colombo School of Computing and the Senate and the Council of the University of Colombo in terms of which approval the students have been following the said revamped and revised programme leading to Master of Computer Science and Master of Science in Computer Science; and,

Whereas it has become necessary to enact By-Laws to prescribe the revised and revamped curriculum, and other provisions including those relating to procedural and substantive aspects of the Degree Programmes,

The Council of the University of Colombo on the recommendation of the Senate and the Board of Management and Academic Syndicate of the University of Colombo School of Computing enacts the following By-Laws:

1.

(1) These By-Laws may be cited as the Master of Computer Science and Master of Science in Computer Science By-Laws No. 08. of 2025

(2) These By-Laws shall come into operation with effect from 11th February 2025.

PART I
GENERAL

Award of Degrees

2. Subject to these By-Laws, a student may be awarded Master of Computer Science (hereinafter referred to as the "Master's Degree") or Master of Science in Computer Science (hereinafter referred to as the "Master of Science Degree") as the case may be if such student has -

   (a) been a registered student of the University of Colombo School of Computing (hereinafter referred to as the "School") for the relevant period specified by these By-Laws;

   (b) completed thereafter, to the satisfaction of the Senate, the relevant Programme of Study, as specified by these By-Laws, and/or other Regulations and/or Rules of the University and/or School;

   (c) satisfied the relevant Board of Examiners in different forms of Examinations and Assessments including written examinations, practical examinations, oral examinations, assignments, seminars, group projects, individual projects, individual research projects, dissertations, thesis, oral defence of dissertations/thesis etc., as may be specified by these By-Laws and/or any other By-Laws, and/or Regulations and/or Rules of the University and/or the School;

   (d) paid all prescribed relevant fees including library fee, registration fee, course fee, supervision fee, examination fee and all other payable dues to the School as may be determined by the Board of Management;

   (e) completed the relevant requirements specified by the regulations for the award of the Master's Degree or Master of Science Degree as the case may be within a period of four (4) academic years including the first academic year of registration, subject to the provisions of these By-Laws; and,

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(f) fulfilled all other relevant requirements specified by these By-Laws and/or other relevant Regulations and/or Rules of the University and/or School.

Administration of the Programmes

3. The School shall be in charge of the administration and general direction of both the Degree Programmes, the Master's Degree and the Master of Science Degree, (hereinafter referred to as the "Master's Degree Programme" and the "Master of Science Degree Programme" as the case may be).

Eligibility for Admission to the Master's Degree/Master of Science Degree Programme

4.

(1) No person shall be eligible to be admitted to the Master's Degree Programme unless such person satisfies the following minimum requirements: -

(a) A Bachelor's Degree in Computing from a University or Institution recognized by the University Grants Commission and/or the University of Colombo; or

(b) A Bachelor's Degree in Science with Computing as a major subject from a University or Institution recognized by the University Grants Commission and/or the University of Colombo; or

(c) A Bachelor's Degree in Electronics Engineering or Telecommunications Engineering from a University or Institution recognized by the University Grants Commission and/or the University of Colombo; or

(d) Any other academic or professional qualification deemed equivalent to a Bachelor's Degree in Computing by the Senate of the University of Colombo on the recommendation of the relevant board of studies of the School. Each application under this category shall be considered on a case-by-case basis; and

(e) Attaining the minimum performance score in a selection test, such as General Computing Competency Test (GCCT); and

(f) Fulfilling additional prerequisites such as an interview, availability of vacancies, and payment of the requisite fees.

(2) A student shall not be eligible to be registered for the Master of Science Degree Programme unless such student satisfies the relevant requirements prescribed in the Regulations.

Application for Admission to the Master's Degree Programme

5.

(1) Applications for admission of students to the Master's Degree Programme shall be called by an open advertisement published, online or otherwise, by the Registrar under the authority of the School.

(2) Prospective applicants may be required to pay to the School the relevant application fee, application processing fee, selection test fee, selection interview fee and any other fees as shall be prescribed by Regulations and/or Rules of the University and/or School.

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Registration for the Master's Degree Programme

6.

(1) A person whose application for admission to the Master's Degree Programme is accepted by the School shall take steps to register for the Master's Degree Programme not later than the date as may be determined by the relevant Board of Study and shall pay the prescribed fees including the library fee, registration fee, course fee, supervision fee, examination fee and any other fees to the School as may be determined by the Board of Management.

(2) When a student registers for the Programme, the registration of such student shall be valid for the first two consecutive academic years starting from the date of the commencement of the Programme (the first day of the First Semester):

Provided however such student shall pay all the relevant payments.

(3) The student shall initially be registered for the First and Second Semesters of the Programme. Such student shall be allowed to proceed to the Third and Fourth Semesters upon successful completion of the First and Second Semesters and meeting the eligibility criteria as specified in these By-Laws and/or Regulations.

(4) It shall be the responsibility of student to ensure that the registration of such student remains valid until the degree requirements are fulfilled.

(5) The registration shall be deemed to have lapsed at the end of its period of validity. A student whose registration has so lapsed, may renew such registration for a further period by paying the relevant renewal fees provided that such student is eligible to be registered for the relevant Programme in terms of Paragraph (6) of this By-law.

(6) No registration shall remain in force beyond a maximum period of four (4) academic years including the first period of registration. However, this maximum period of four (4) academic years may, under exceptional circumstances, be extended by an academic year subject to the approval of the Senate on the recommendation of the Academic Syndicate and the Board of Management. Each such application for renewal beyond the maximum period of four academic years under any exceptional circumstance shall be considered on a case-by-case basis.

(7) Subject to Paragraph (6) of this By-law, a student whose four (4) academic year period has lapsed may make a written request to the School for a grace chance to complete the degree provided that such student has shown a substantial progress in the studies in the previous Semesters. The School shall have the power to consider such requests on a case-by-case basis and recommend to the Senate for its approval.

(8) The refund of any fee paid by any student to the school shall be determined in terms of the policy adapted by the council of the university.

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PART II
ACADEMIC PROGRAMME

7.

(1) The Programmes leading to the award of the Master's Degree and the Master of Science Degree shall span for two academic years consisting of four Semesters of learning activities and assessments.

(2) The duration of each Semester shall be a continuous period of 15 weeks from its commencement. However, the Senate shall have the authority, on the recommendation of the School, to shorten or extend the duration of a Semester, under exceptional circumstances.

8.

(1) The Programmes shall include Course Work consisting of Theory and Practical components, an Individual Project in the case of Master's Degree Programme and an Individual Research Project in the case of Master of Science Degree Programme, its Oral Defence and all other examinations specified by these By-Laws and/or Regulations.

(2) The Course Work shall consist of lectures, tutorials, practical classes and other assignments, as shall be prescribed by the Senate on the recommendation of the School. The list of Courses, compulsory (Core) and/or optional (Elective); their syllabi; and the number, structure and rubric of question papers in each Course shall be those set out under Regulations made by the Senate on the recommendation of the School, from time to time. These may vary for the Master's Degree Programme and the Master of Science Degree Programme.

(3) Each Course shall carry a time-based Credit Value as specified under the Regulations.

(4) The School shall have the authority to offer Courses of different types, including Courses which are Compulsory as Core Courses and/or Courses which are Optional as Elective Courses.

(5) The Senate shall, on the recommendation of the School, have the power to change, amend, add to or delete from the Courses, their status as compulsory or optional, their syllabi as well as the number, structure and rubric of question papers in such Courses.

(6) Every student who is admitted to the Master's Degree Programme or the Master of Science Degree Programme shall register in each academic Semester for such number of Courses as contributing to not less than such number of Credits as prescribed by Regulations for the respective Programme.

Medium of Instruction

9. The medium of instruction and assessment, examinations and correspondence shall be English.

Registration for Academic Courses

10.

(1) In each Semester, students shall register for the Core Courses of the Semester and such number of Elective Courses to not less than the prescribed number of Credits required for that Semester. The procedure for registering in such Core and Elective Courses, as the case may be, shall be specified by the Board of Study.

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(2) The School shall notify internally the list of Elective Courses available for registration. After notification, if for whatever reason, an Elective Course cannot be conducted and if a student has applied for registration for any such Course/s, such student shall be permitted by the School to withdraw such application and apply for registration for any other Course/s as the case may be provided that such Course/s is/are being conducted during such Semester.

(3) A student shall not be permitted to voluntarily withdraw an application for registration for any such Elective Course/s in respect of any Semester unless such withdrawal is permitted by the Board of Study, and no student shall be permitted to register for any Elective Course/s after the date as may specified by the relevant Board of Study.

(4) No student who, without valid reasons acceptable to the Board of Study, fails to register for the required number of Courses, shall be permitted to appear for any assessment or examination of any paper in that Semester.

PART III
ASSESSMENT & EXAMINATIONS

11.

(1) The Examinations leading to the award of the Master's Degree and the Master of Science Degree, as the case may be, shall consist of all four Semester Examinations and an Oral Examination for the defence of the relevant Project.

(2) Each Semester examination shall consist of one or more than one written paper and such number of components of continuous assessments, assignments, reports, presentations, oral examinations or a combination of such methods of evaluation as prescribed by the Regulations.

(3) Each student who is registered for the Programme shall make an application in the form specified and provided by the School for entry to the relevant Examination.

(4) No application for an Examination made by any student shall be entertained by the School unless the relevant Board of Studies of the School has certified that the student took part in the different forms of instruction provided for each Course in the Semester.

(5) A student in a particular Semester of the relevant Programme shall take the Examination for that Semester on the first occasion in which the Examination is held for the particular Course. If the student does not take the Examination in the first available opportunity, such student shall be deemed to have exhausted an attempt at the Examination of the Course, unless the Senate, on the recommendation of the School, decides otherwise due to any valid reason.

(6) A student in a particular Semester of the relevant Programme shall undertake work related to Continuous Assessment for that Semester on the first occasion when it is set for the Semester. Where a student does not undertake the work specified for continuous assessment and/or fails to complete such work on the first occasion, such student shall be deemed to have exhausted an attempt at undertaking the work for the continuous assessment.

(7) A student who does not undertake the work specified for continuous assessment for a Semester and/or fails to complete such work and/or fails in the continuous assessment, such student may be given an opportunity to do the continuous assessment at the ensuing Semester where it is offered. However, such student shall not be permitted to attend lectures in such Semester except where the Senate on the recommendation

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of the School permits to undertake the continuous assessment subject to such conditions, including a payment of relevant fees, as may be determined by the Board of Management.

(8) It shall be lawful for the School, following due process, to terminate the registration of any student after one warning in writing, if the progress of study made by such student and/or the conduct and behaviour of such student are unsatisfactory. Where the registration of such student is terminated, no fees shall be refunded.

12.

(1) A student is allowed to retake the assessment or examination of a Course at the next available opportunity determined by the school, provided the Course is available and the student meets the eligibility requirements for retaking the assessment or examination as specified by these By-Laws and/or Regulations.

(2) Such a student shall pay to the School the relevant fees as may be determined by the Board of Study for retaking each such evaluation, and such student shall not be entitled to attend any lectures unless the Senate on the recommendation of the School decides otherwise.

(3) If a student takes advantage of the opportunity to retake the evaluation for a course, the highest grade achieved shall be considered for the computation of results for the award of the degree.

(4) No Grade or a percentage score or the result of the evaluation of any Course shall receive official recognition for any purpose unless such Grade or percentage or the result of such evaluation, as the case may be, has been approved by the relevant Board of Examiners and the final results pertaining to the award of the Degree in the relevant year have been confirmed by the Senate.

Grading System and Calculation of Grade Point Average (GPA)

13.

(1) The Range of Marks, the corresponding Grades and Grade Point Values (GPV) shall be those given in Table 1.

(2) If Grade Point Average (GPA) of a student is required for any purpose, it shall be calculated using the following equation:

$$GPA = \left[\frac{\sum_{i=1}^{N} (GPVi \times CreditValue_i)}{\sum_{i=1}^{N} CreditValue_i} \right]$$

; $where,\ N = total\ number\ of\ enrolled\ courses$

The GPA is rounded to the second decimal place.

(3) If a student has registered for more Elective courses than required, regardless of whether this exceeds the minimum number of credits needed, all such courses shall be included in the GPA calculation for that student.

(4) Any student who has not appeared for the evaluation of a Course may be assigned a GPV of 0.00 Value for such a Course for the purpose of calculating his/her GPA.

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Range of Marks	Grades	Grade Point Values (GPV)
90–100	A+	4.25
80–89	A	4.00
75–79	A-	3.75
70–74	B+	3.25
65–69	B	3.00
60–64	B-	2.75
55–59	C+	2.25
50–54	C	2.00
45–49	C-	1.75
40–44	D+	1.25
30–39	D	1.00
20–29	D-	0.75
0–19	E	0.00
0	*NC, CN*	0.00

Table 1: Range of Marks, Grades & their Respective Grade Point Values (*NC* = Not Completed, *CN* = Cancelled, *Note: The Examinations Division of the School may use additional status codes such as NA (Not Applicable), WH (Withheld), and AB (Absent) to represent the intermediate status of student results*).

PART IV
AWARD OF DEGREE

14.

(1) The minimum conditions which a student shall satisfy for the award of the Master of Computer Science shall be as follows:-

(a) not less than a C grade (GPV of 2.00) in the Courses which make up a minimum of 30 Credits;

(b) not less than a GPA of 2.00 for all the Courses which make up a minimum of 45 Credits; and

(c) not less than a C Grade (Pass) for the Individual Project.

(2) Once the relevant Board of Study has decided to award the Master of Computer Science, the student is no longer eligible to continue the Programme, and all pending results shall be rendered null and void.

(3) No student shall be entitled to the award of the Master of Computer Science unless such student has satisfied all the prescribed requirements and such student has supplicated for the award of the Master's Degree at the relevant Convocation of the University of Colombo.

15.

(1) The minimum conditions which a student shall satisfy for the award of the Master of Science in Computer Science shall be as follows:-

(a) not less than a C grade (GPV of 2.00) in the Courses which make up a minimum of 45 Credits;

(b) not less than a GPA of 2.00 for all the Courses which make up a minimum of 60 Credits; and

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(c) not less than a C Grade (Pass) for the Individual Research Project.

(2) Once the relevant Board of Study has decided to award the Master of Science in Computer Science, the student is no longer eligible to continue the Pro- gramme, and all pending results shall be rendered null and void.

(3) No student shall be entitled to the award of the Master of Science in Computer Science unless such student has satisfied all the prescribed requirements and such student has supplicated for the award of the Master of Science Degree at the relevant Convocation of the University of Colombo.

PART V
AWARD OF DIPLOMA

16.

(1) The Senate shall, on the recommendation of the School, have the authority to award a Postgraduate Diploma in Computer Science (hereinafter referred to as the "Diploma") to a student who has been registered for the Master's Programme but who has not been awarded the Master's Degree.

(2) The requirements for and the conditions under which the Postgraduate Diploma may be awarded are prescribed by Regulations.

PART VI
TRANSITIONAL PROVISIONS

17.

(1) By-laws number 8 of 2008 is hereby repealed.

(2) Notwithstanding the repeal of the said By-laws, any student who has already been registered under the repealed By-laws may continue the programme under and subject to the provisions of such By-laws until December 2029.

18.

(1) The candidates who have been registered under the 2017 By-Laws and who have not successfully completed the requirements for the award of the Master of Computer Science under the provisions of such By-laws may within a period of 12 months from these By-Laws come into effect apply to the University that they be considered for transfer of registration for the programme under the present By-Laws:

Provided however the Senate shall have the right either to decline such request or to permit such request subject to such conditions as it may deem necessary to impose on the recommendation of the Academic Syndicate and Board of Study.

(2) The Senate, on the recommendation of the Academic Syndicate and Board of Study may consider extending an exemption from following a Course and taking the examination of the Course subject to such conditions as it may deem fit and proper. This decision shall be made by the Senate on a case-by-case basis and its decision shall be final.

(3) The Senate retains the discretion to deny any request made under Paragraph (1) of this By-law if it thinks that granting such a facility shall be prejudicial to the interests of any stakeholders.

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PART VII

REMOVAL OF DIFFICULTIES

19. The Senate of the University shall, in consultation with the Director of the University of Colombo School of Computing, have the authority to take such actions or give such directions not inconsistent with the provisions of these By-laws as appears to the Senate to be necessary or expedient for the purpose of removing any difficulties that may arise in the interpretation of the provisions or for which there is no provision in these By-Laws or in the case of students who had followed or have been following the Master's Degree Programme under the earlier arrangements.

PART VIII
INTERPRETATION

20. In these By-Laws, unless the context requires otherwise:

"Act" means the Universities Act, No.16 of 1978;

"Board of Study" means the relevant Board of Study in the School that is responsible for the Postgraduate Degree programmes.

"Board of Management" means the Board of Management of the University of Colombo School of Computing.

"Council" means the Council of the University of Colombo;

"Director" means the Director, Deputy Director or any other Officer authorised to sign for and on behalf of the Director of the University of Colombo School of Computing;

"Registrar" means the Registrar, Acting Registrar, Deputy Registrar, Senior Assistant Registrar, Assistant Registrar or any other Officer authorised to sign for and on behalf of the Registrar of the University of Colombo School of Computing;

"School" means the University of Colombo School of Computing established by Order made under Section 24A read with Section 18 of the Act;

"Senate" means the Senate of the University of Colombo;

"University" means the University of Colombo.

21. Any question regarding the interpretation of these By-Laws shall be referred to the Council whose decision thereon shall be final.

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UNIVERSITY OF COLOMBO, SRI LANKA

UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

MASTER OF COMPUTER SCIENCE AND MASTER OF SCIENCE IN COMPUTER SCIENCE

REGULATIONS

of the

Master of Computer Science and Master of Science in Computer Science

Regulations made by the Senate of the University of Colombo under Section 136 of the Universities Act, No.16 of 1978 and read with Section 13 of the University of Colombo School of Computing Ordinance No.1 of 2002.

Regulations

1.

(1) These Regulations may be cited as Master of Computer Science and Master of Science in Computer Science Regulations No.09 of 2025

(2) These Regulations shall come into operation with effect from 11th February 2025 and shall be read in conjunction with Master of Computer Science and Master of Science in Computer Science By-Laws No.06 of 2025

(3) These Regulations shall govern the Master of Computer Science (hereinafter referred to as the "Master's Degree") and the Master of Science in Computer Science (hereinafter referred to as the "Master of Science Degree").

PART I
ACADEMIC PROGRAMME

2. There shall be assigned, to each Course offered in the Programme leading to the Master of Computer Science/Master of Science in Computer Science, a Course Code, Title (Name), Level & Semester, Number of Credits [or Credit Value] and whether it is Compulsory or Optional Academic Course. The details of which are specified in the schedule hereto.

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3.

(1) Each Credit Value shall correspond to different quantum of hours depending on the type of learning activities, the guidelines of which are as specified in Table 1 below:

Course Description	**Credit Value**	**Direct Staff Student Contact Hours**	**Notional Hours (direct staff stu- dent contact hours and independent learning)**
Lecture Course	1	15	50
Laboratory Course	1	30	50
Individual Project	5	Variable	500
Individual Research Project	15	Variable	1500

Table 1: Guidelines for Volume of Learning.

(2) The minimum number of Credits per Course is one.

(3) One Credit shall be considered equivalent to 50 Notional Hours for a Lecture (Taught) Course and Laboratory Course. In the case of Individual Project and Individual Re- search Project, a minimum of 100 notional hours is equivalent to one Credit.

4. The Senate shall, on the recommendation of the Academic Syndicate, have the power to make changes to the list of Courses, Course Codes, Course Titles (Name), Level & Semester, and Number of Credits (Credit Values) and whether Compulsory or Optional.

5. The detailed syllabus applicable to the Courses shall be as prescribed, from time-to-time as approved by the Academic Syndicate.

PART II
ASSESSMENT & EXAMINATIONS

6. The procedure for continuous assessment, forms of evaluation in respect of each Course and the mode of their evaluation shall be decided by the relevant Board of Study and approved by the Academic Syndicate. The Academic Syndicate shall also have power, on the recommendation of the relevant Board of Study, to determine the structure and rubric of question papers on each Course when and where relevant.

7. Each Course including Individual Project (Dissertation)/Individual Research Project (Thesis) shall be marked out of 100.

8. Each student may be required to submit assignments within a period as may be determined by the school.

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Individual Project / Individual Research Project

9.

(1) Every student of the Masters Degree Programme shall undertake an Individual Project and submit a Dissertation in the Fourth Semester of the Masters Degree Programme. Every student of the Master of Science Degree Programme shall undertake an Individual Research Project and submit a Thesis in the Fourth Semester of the Programme.

(2) Each student shall submit a Project Proposal, in the format according to the guidelines made by the Academic Syndicate within the period determined by the Board of Study, for the approval of the Senate.

(3) Each student shall commence work on the Project once it is accepted by the School. The School shall nominate a Supervisor for each student.

(4) Throughout the whole Project, the student shall seek advice, comments and guidance from the Supervisor on the nature of the Project and standard expected. The student shall maintain a notebook to record the meetings with the supervisor.

(5) Progress of the work of the Project shall be evaluated based on the progress reports and/or any other reports and/or presentations as may be determined by the Academic Syndicate.

(6) Each Master's Degree student shall submit a Dissertation, at the end of the Fourth Semester adhering to the format as determined by the Board of Study. The Dissertation shall, at minimum, demonstrate the student's knowledge of methods of study, competence to present material systematically, translate theoretical knowledge into practical applications by designing, implementing and providing solutions to real world problems and the ability of the student to evaluate and analyse as well as demonstrate innovative and creative applications.

(7) Each Master of Science Degree student shall submit a Thesis, at the end of the Fourth Semester adhering to the format as may be determined by the Board of Study. The Thesis shall, at minimum, demonstrate the student's knowledge and application of research methods in Computing, competence to present material systematically, and evaluate and synthesise research contributions and to critically apply theoretical knowledge into practical applications as well as the ability of the student to foresee futuristic developments in the selected field and present innovative and creative Thesis.

(8) It shall be the responsibility of each student to contact and be in touch with the nominated Supervisor regularly for discussion and guidance. Failure to do so may lead to the Dissertation/Thesis not being accepted for evaluation if the Supervisor refuses to give the approval for the final defence.

(9) The evaluation of the Dissertation/Thesis, as the case may be, brought out in pursuance of the Project may involve a presentation and/or an oral examination.

(10) A student who did not make the presentation and/or participate at the oral examination of the Dissertation/Thesis on the first occasion shall submit a request for a reschedule giving valid reasons supported by acceptable evidence to the School within seven (7) working days from the scheduled date of the examination. The School shall have the power to consider favourably such requests on a case-by-case basis.

(11) A student who is unable to defend the Dissertation/Thesis to the satisfaction of the Board of Examiners shall receive a Grade of 'NC' (not complete) for the Individual Project (Dissertation)/Individual Research Project (Thesis). Such student shall not be permitted

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to resubmit the Dissertation/Thesis and/or re-defend the Dissertation/Thesis unless the relevant examiners recommend that a modified Dissertation/Thesis be submitted and/or another Oral Examination is required.

(12) Such a modified Dissertation/Thesis and/or an Oral Examination, if undertaken, shall be at the expense of the student; the fees of which shall be specified by the Council on the recommendation of the School. A student who is unable to submit the modified Dissertation/Thesis and/or re-defend the Dissertation/Thesis within the prescribed period shall be deemed to have failed to complete the Individual Project/Individual Research Project.

(13) Each student who passes the Individual Project/Individual Research Project is required to submit a hard-bound copy of the Dissertation/Thesis, as the case may be, after improving it based on the comments given by the Board of Examiners. Failure to do so may result in the Grade of the Individual Project/Individual Research Project being downgraded to 'NC'.

(14) Students shall adhere strictly to the Policy and Rules/Regulations of the University on plagiarism in undertaking the Project. Unacceptable acts of plagiarism include, but not restricted to, such actions as taking the work of others and passing them off as their own work; providing neither proper references to the original sources nor quotation marks; making use of their own work submitted already for another academic programme; getting someone else to writing the Dissertation/Thesis but claiming such work as their own work; etc.

(15) When the act of plagiarism by any student is proven, such student shall be subjected to punishment on the recommendation of the Examinations Committee. The punishment may include the impugned Dissertation/Thesis being rejected and the Student registration with the University being cancelled with or without a debarment of future registrations. There shall be penalties for such dishonest actions on the recommendation of the Examinations Committee.

10.

(1) A student shall be deemed to have passed the Oral Examination for the Individual Project in Computer Science if such student satisfies the Board of Examiners of the criteria/requirements specified in Paragraph (6) of Regulation 9 and other requirements specified by the relevant By-Laws and/or those prescribed by these Regulations.

(2) A student shall be deemed to have passed the Oral Examination for the Individual Research Project in Computer Science if such student satisfies the Board of Examiners of the criteria/requirements specified in Paragraph (7) of Regulation 9 of these Regulations and other requirements prescribed by the relevant By-Laws and/or those prescribed by these Regulations.

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PART III

POSTGRADUATE DIPLOMA

11. A student who has secured a GPV of not less than 2.00 for the Courses which add up or exceed 25 Credits may be awarded the Postgraduate Diploma in Computer Science, provided however such student satisfies other conditions for the award of such Diploma as laid down in these Regulations or the relevant By-Laws.

12. Any student who wishes to be awarded the Postgraduate Diploma in Computer Science shall satisfy the following:-

    (a) such student has obtained a minimum of 2.00 of GPA (the GPA is calculated for courses adding up to a minimum of 25 Credits using best grades);

    (b) such student has not qualified to be awarded the Masters Degree in Computer Science/Master of Science in Computer Science Degree; and

    (c) such student has made a written request for the award of the Diploma.

13. After a written request from the student has been approved by the Senate and the decision is made to award the Diploma, the student is no longer eligible to continue the Master's Degree.

THE SCHEDULE

Master of Computer Science / Master of Science in Computer Science

A. The Course Codes, Titles, Credits and their Standing in each Semester are as follows:

First Semester Courses

Code	Title	Credits	Compulsory / Optional
MCS1301	Advanced Algorithms	03	C
MCS1302	Research Methods	03	C
MCS1303	Advanced Database Systems	02	C
MCS1304	Advanced Data Communications Networks	03	C
MCS1305	Advanced Software Engineering	02	C

Second Semester Courses

Code	Title	Credits	Compulsory / Optional
MCS2301	Principles of Programming Languages	02	C
MCS2302	Information Systems Security	02	C
MCS2303	Machine Learning	03	C
MCS2304	Advanced Operating Systems	03	C
MCS2305	High Performance Computing	02	C

Third Semester Courses

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Code	Title	Credits	Compulsory / Optional
MCS3301	Data Warehousing and Mining	03	O
MCS3302	Computer Graphics and Image Processing	03	O
MCS3303	Theoretical Computing	02	O
MCS3304	Natural Language Processing	02	O
MCS3305	Human Computer Interaction	02	O
MCS3306*	Individual Research Project	07	C*
MCS3307**	Individual Project	02	C**

Fourth Semester Courses

Code	Title	Credits	Compulsory / Optional
MCS4301	Systems Modelling & Simulation	03	O
MCS4302	Mobile Computing	03	O
MCS4303	Distributed Systems	02	O
MCS4304	Computer Vision	02	O
MCS4305	Embedded Systems	02	O
MCS4306	Selected Topics in Computer Science	02	O
MCS3306*	Individual Research Project	08	C*
MCS3307**	Individual Project	03	C**

* MCS3306 is compulsory and offered only to the Master of Science Degree Programme. It spans two semesters with a total credit value of 15.

** MCS3307 is compulsory and offered only to the Masters Degree Programme. It spans two semesters with a total credit value of 5.

Approved by the Council
Meeting No 629
Date 11.02.2025