



**University of Colombo, Sri Lanka**

**UCSC** *University of Colombo School of Computing*



**DEGREE OF BACHELOR OF INFORMATION TECHNOLOGY  
(EXTERNAL)**

Academic Year 2025 — 2<sup>nd</sup> Year Examination — Semester 4

**IT4306 — Information Technology Project Management**

*Part 2 - Structured Question Paper*

(2 Hours for both Part 1 and Part 2)

**To be completed by the candidate**

**Index Number**

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**Important Instructions**

- This paper has **two (2) parts, Part 1 and Part 2**.
- The total duration of **both Part 1 and Part 2 is 2 hours**.
- The final mark for the paper will be determined by averaging the scores of Part 1 and Part 2, each of which is graded out of **100**.
- The medium of instructions and questions is English. Students should answer in the medium of English language only.
- This paper (Part 2) has **2 questions on 4 pages**. Answer **both** questions.
- Write your answers **only on the space provided** on this question paper.
- Do not tear off any part of this question paper. Under no circumstances may this paper (or any part of this paper), used or unused, be removed from the Examination Hall by a candidate.
- Note that questions appear on both sides of the paper. If a page or part of a page is not printed, please inform the supervisor/invigilator immediately.
- Any electronic device capable of storing and retrieving text, including electronic dictionaries, smartwatches, and mobile phones, is not allowed.
- Calculators are **not allowed**.
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**To be completed by  
the examiners**

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| <b>2</b>     |  |
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- 1) (a) A software company is considering two alternatives for a new mobile application project. The project manager estimates that implementing an innovative AI feature has:

- 60% probability of generating a profit of 1,000,000 LKR
- 40% probability of not generating any profit.

Two project sponsors are willing to invest in the opportunity as below:

- Sponsor A is willing to invest only 500,000 LKR in the AI feature.
- Sponsor B is willing to invest up to 700,000 LKR in the AI feature.

Using the expected monetary value (EMV) of the new AI feature, comment on the risk preference of the two investors.

(50 marks)

**ANSWER IN THIS BOX**



**ANSWER IN THIS BOX**

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