ICT 3206 – Skill Development Project III Progress Meeting Report

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| **Project Title:** | | **Intelligent Indoor OR Outdoor Surveillance Camera with AI Detection and Programmable Relay Control** | | | | | | |
| **Group Name:** | | **Tech Titans** | | | | | | |
| **Supervisor:** | | **Ms. Malki Jayawardhana** | | | | | | |
| **Progress** Report **No.** | | | | **02** | | | | |
| **Reporting Period** | | | | **From:** | 15/07/2024 | | **To:** | 20/08/2024 |
| **Team Members:** | | | | | | | | |
| **S. No.** | **Index No.** | | **Registration No.** | | | **Name** | | |
| 01. | 1297 | | ITT/2020/021 | | | E.M.S.M. Edirisooriya | | |
| 02. | 1348 | | ITT/2020/078 | | | D.H.D. Prabhasha | | |
| 03. | 1390 | | ITT/2020/128 | | | H.L.I.N. Liyanaarachchi | | |
| 04. | 1357 | | ITT/2020/091 | | | P.W.D.I.M. Rodrigo | | |
| 05. | 1383 | | ITT/2020/121 | | | B.K. Bandaranayake | | |
| 06. | 1343 | | ITT/2020/072 | | | K.R.N. Perera | | |
| 07. | 1363 | | ITT/2020/097 | | | A. Sanjayan | | |

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| **Work carried out up to the last progress report:** |
| From 2024/07/15 to 2024/08/20, our team, Tech Titans, reached key milestones in the development of our project, "Intelligent Indoor/Outdoor Surveillance Camera with AI Detection and Programmable Relay Control."   * Revised the Software Requirements Specification (SRS) document. * Conducted a thorough functionality check of the received hardware components, ensuring a clear understanding of each part's role in the system. * Evaluated various streaming protocols for the ESP32-CAM module and selected RTSP for its reliability and compatibility with our system requirements. * Developing the backend of the logging system. |

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| **Work carried out during the reporting period:** | |
| **Registration No.** | **Task completed** |
| ITT/2020/021 | * Developed use case scenarios for the project. * Developed the backend of the logging system. * Checked hardware functionality. * Evaluated various streaming protocols. |
| ITT/2020/078 | * Created activity diagrams for the project. * Checked hardware functionality. * Evaluated various streaming protocols. |
| ITT/2020/128 | * Created activity diagrams for the project. * Checked hardware functionality. * Evaluated various streaming protocols. |
| ITT/2020/091 | * Created activity diagrams for the project. * Checked hardware functionality. * Evaluated various streaming protocols. |
| ITT/2020/121 | * Created activity diagrams for the project. * Checked hardware functionality. * Evaluated various streaming protocols. |
| ITT/2020/072 | * Created activity diagrams for the project. * Checked hardware functionality. * Evaluated various streaming protocols. |
| ITT/2020/097 | * Created activity diagrams for the project. * Checked hardware functionality. * Evaluated various streaming protocols. |

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| **Feedback to the team by the supervisor (changes, suggestions, recommendations):** |
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Supervisor’s evaluation on progress:

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| **Poor** |  | **Fair** |  | **Good** |

Excellent

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| **Expected work to be carried out until next progress report:** |
| Until the next report, we intend to keep doing the following,   * Develop UI/UX design of the system. * Create SDS document. * App development. |

Signature of the supervisor: Date:

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| **Signatures of the team members:** | | | |
| **S. No.** | **Index No.** | **Registration No.** | **Signature** |
| 01. | 1297 | ITT/2020/021 |  |
| 02. | 1348 | ITT/2020/078 |  |
| 03. | 1390 | ITT/2020/128 |  |
| 04. | 1357 | ITT/2020/091 |  |
| 05. | 1383 | ITT/2020/121 |  |
| 06. | 1343 | ITT/2020/072 |  |
| 07. | 1363 | ITT/2020/097 |  |