CTPA Students Contribution Statement

As you are to be individually assessed it is necessary to ensure your marker understands your individual contribution.
This document is to demonstrate who was responsible for each piece or contribution to each piece of work in your project.
The details of this document must reconcile with your project documents, your work logs, peer reviews and meeting minutes.
The following is a template to present and must be signed by all team members.

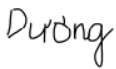| Project Title: AI Model for Detecting Abnormal Behaviour	
Team Member	Activity (these are suggestions of the ways you may have contributed. There may be others, and some may not be applicable). You may also add comments to further explain your contribution or partial contribution to an activity.
Team Member 1 Tran Quoc Dung 103803891	**Documents** - Sections: Project Plan (Establishments, Deliverables, Activities and Capital Resources; Organisation and Structure); SQAP (Chapter 1, 2, 3, 5, 7); SRS (Introduction, Overall Description, Interface Requirements), SADRR (Problem Analysis), DSDIR (Introduction, Implementation) - Page Nos: Project Plan (Page 6,7,8,9); SQAP (Page 3->8, 14->17, 20); SRS (Page 4->6, 9); SADRR (Page 5), DSDIR (Page 4, 7->10) **Software Development** Assists in developing the model based on 3DCNN Model Flow **Research** Search for the dataset as inputs of the model, along with appropriate Model flow to develop. **Project Management** - Divide the work equally, depending on the team's individual skills. Contact with the clients, receive the further requirements, feedback and convey to the team. - Create the overall timeline of the project for the team to follow. **Meetings** - Conduct team meetings twice a week (Tuesday & Friday) - Join meetings on every Tuesday with team 1-A, 1-B **Testing** Use the AI model to test with various inputs, to ensure the metric scores is accurate **Presentation** Presents about the project topic, introduce the team, and summarize the main content of the presentation.

| Team Member 2 Pham Hoang Duong 103843282 | Documents
   - Sections: Project Plan (Introduction; Term of References); SQAP (Chapter 4, 8); SRS (Overall Description, Non-functional Requirements), SADRR (Introduction), DSDIR (System Architecture Overview)
   - Page Nos: Project Plan (Page 4,5); SQAP (Page 9->13, 21); SRS (Page 5, 6, 8); SADRR (Page 4), DSDIR (Page 5)
Software Development
     Helps developing the algorithm to calculate metric scores for the model, thereby evaluating the accuracy of the model
Research
     Research the metrics, which are used to evaluate the model
Meetings
   - Joins team meetings twice a week (Tuesday & Friday)
   - Joins the meetings on every Tuesday with team 1-A, 1-B
Testing
     Use different labelled files to observe the metric scores
Presentation
     Presents about the metric used, how they are applied to the model, and their algorithms
Deployment
     Assist in developing the AI Model based on the 3DCNN Model Flow |

| Team Member 3 Nguyen Thai Son 103806531 | Documents
   - Sections: Project Plan (Risks, Schedule, Budget); SQAP (Chapter 6, 9, 10); SRS (Non-functional Requirements, Interface Requirements), SADRR (Other Research, References), DSDIR (Detailed System Design)
   - Page Nos: Project Plan (Page 11,12,13); SQAP (Page 18, 23, 24, 25); SRS (Page 8, 10); SADRR (Page 9, 10, 11), DSDIR (Page 5, 6)
Software Development: Improves the model mainly, based on the chosen Model Flow.

Research: Research how the model receives the inputs from various sources, its potential applications in other domains.

Meetings
   - Conduct team meetings twice a week (Tuesday & Friday)
   - Join meetings on every Tuesday with team 1-A, 1-B
Testing: Use the AI model to test with various inputs, to ensure the metric scores is accurate

Presentation: Presents the team's product, how to start running it and its outputs
Manuals: Write the Guidance document, which shows how to build up the libraries, other necessary frameworks to run the AI Model. |

Team Member 4	Documents
Duong Quoc Trung 103843321	- Sections: SRS (Functional Requirements, Interface Requirements); SADRR (System Architectures, Alternative Architectures Explored) - Page Nos: SRS (Page 7, 9); SADRR (Page 6, 7, 8) Software Development: - Main AI Researcher of the team, illustrates the Model flow for the team to follow, thereby developing the AI Model. - Training the AI Supervised Learning Model Research: - Research about Supervised Learning Model, giving out the most appropriate Model Flow for the team. - Read papers about Supervised & Unsupervised Learning Model to understand the applications of the team's product Meetings - Joins team meetings twice a week (Tuesday & Friday) - Joins meetings on every Tuesday with team 1-A, 1-B Presentation: Presents the Model Flow, how the products run based on the research results, and its potential applications.

Team Member 5	Documents
Do Tuan Dat 103804603	- Sections: SRS (Functional Requirements, Interface Requirements); SADRR (Research into Application Domains, Research into System Design) - Page Nos: SRS (Page 7, 9); SADRR (Page 9) Software Development: Second AI Researcher of the team focuses on satisfying the further requirements from the client, which is developing Unsupervised Learning Model. Research: - Research about Unsupervised Learning Model, - Read papers about Unsupervised Learning Model, applied the researched model and applied it to the team's product, also based on the clients' feedback. Meetings - Joins team meetings twice a week (Tuesday & Friday) - Joins meetings on every Tuesday with team 1-A, 1-B Presentation: Presents the further requirements, the Model Flow of Unsupervised Learning Model, and its potential applications.

I declare this is an accurate description of team contributions of the team members

Team Member Name	Signature	Date
Tran Quoc Dung		28/07/2024
Pham Hoang Duong		28/07/2024
Nguyen Thai Son		28/07/2024
Duong Quoc Trung		28/07/2024
Do Tuan Dat		28/07/2024