

STATUS REPORT

WEEK 1	<ol style="list-style-type: none"> 1. Team formation 2. Starting to build team charter & norms 3. Setting up project repo
WEEK 2	<ol style="list-style-type: none"> 1. Team charter & norms built 2. Getting in touch with the client 3. Starting to build SOW
WEEK 3	<ol style="list-style-type: none"> 1. SOW built 2. Audit meeting 1 3. Technical research started
WEEK 4	<ol style="list-style-type: none"> 1. Continuous technical research 2. Project scope and other documents refined
WEEK 5	<ol style="list-style-type: none"> 1. Continuous technical research 2. First version of algorithm design finished 3. Flow chart added.
WEEK 6	<ol style="list-style-type: none"> 1. Continuous technical research 2. Audit meeting 2 3. Starting to code for the first version of fast prototype for testing
TEACHING BREAK WEEK 1	<ol style="list-style-type: none"> 1. Modified the SOW to match the user stories. 2. Continuous technical research found some model frameworks that can be used in this project, such as OpenCV, Media Pipe and YOLO.

TEACHING BREAK WEEK 2

1. Team members synchronized understandings of models.
2. Design of the second edition of the algorithm begins.

WEEK 7

1. Meet with client and reset the project goal clearer to detect the age, gender, facial expressions and actions of the people in the video.
2. Designed a new algorithm flow chart with a six-layer structure.
3. The first two of the four main functions of the 6-layer algorithm are independently realized: single-person segmentation and gender-age detection.

WEEK 8

1. The second two of the four main functions of the 6-layer algorithm are independently realized: facial expression detection, action detection.
2. Standardized the format of data flowing between four modules independent of each other.
3. Assembled the four modules into a whole.
4. Designed the final output format, namely a marked video and a text document containing all the extracted information.

	<ol style="list-style-type: none"> 5. Trained and tested the model using videos downloaded from the Internet.
<p>WEEK 9</p>	<ol style="list-style-type: none"> 1. Retrained and tested the model using the video source provided by the client, thereby improving the accuracy and practicability. 2. Carried out code cleaning and tidying up. 3. Wrote a customer manual.

To be updated...