

TPT3101 Final Year Project (FYP1) Meeting Log
Trimester 1, 2022/23 (Trimester ID:2210)

Meeting Date: 28/9/2022	Meeting No.: 2
Meeting Mode: Physical	
Project ID: 2078	Project Type: Research-based
Project Title : Satellite Image Segmentation using Vision Transformer	
Student ID : 1201302740	Student Name: Muhammad Haziq Faiz Bin Mohd Ripin
Student Programme and Specialisation: B.C.S (Hons) Data Science	
Supervisor Name: Dr. Loh Yuen Peng	Co-Supervisor Name: (if applicable)
Collaborating Company: (if applicable)	Company Supervisor Name: (if applicable)

1. WORK DONE

[Please write the details of the work done, after the last meeting]

Tasks: Problem Formulation and Project Planning / Background Study or Literature Review / Requirement Analysis or Theoretical Framework / Design or Research Methodology / Prototype Development or Proof of Concept / Draft Report Completion

(Please strike out the tasks, which are not applicable for the work done, after the last meeting)

Details (in point form):

- Learn more about attention mechanisms.
- Studied Attention is All You Need paper.
- Read Segformer and Swin Transformer papers.
- Run a simple transformer model on Colab, although it has anything to do with semantic segmentation.
- Tried to train the Swin Transformer on Colab but failed.
- Wrote the introduction and the structure of the report.
- Practiced Pytorch.

2. WORK TO BE DONE

[Please write the details of the work to be done, before the next meeting]

Tasks: Problem Formulation and Project Planning / Background Study or Literature Review / Requirement Analysis or Theoretical Framework / Design or Research Methodology / Prototype Development or Proof of Concept/ Draft Report Completion

(Please strike out the tasks, which are not applicable for the work to be done, before the next meeting)

Details (in point form):

- Identify 3 objectives.
- List down available datasets including the types, sizes etc.
- Improve understanding of transformers.
- Improve Pytorch skills.

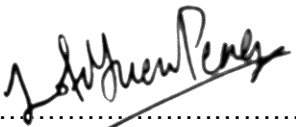
3. PROBLEMS ENCOUNTERED AND SOLUTIONS

[Please write the details of the problems encountered, after the last meeting and provide the solutions / plan for the solutions]

- Can't run Swin Transformer model. Need to improve Python/Pytorch.
- Keep on studying about transformer.

4. COMMENTS (Supervisor / Co-Supervisor / Company Supervisor)

- Try to match the versions of the libraries used by the code you downloaded as that can be a common issue where the code doesn't work for training.
- Do an outline of the literature review and try to have a first draft before next meeting.


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Supervisor's Signature

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Student's Signature

.....
Co-Supervisor's Signature
(if applicable)

.....
Company Supervisor's Signature
(if applicable)

IMPORTANT NOTES TO STUDENTS:

1. Items 1 – 3 are to be completed by the students prior to the meeting. Item 4 is to be completed by the supervisor / co-supervisor / company supervisor.
2. Student has to upload the soft copies of the meeting logs in Google Classroom and also attach them along with interim (FYP1) report.
Minimum requirement is SIX Meeting Logs (Period: Week 3 to Week 13). Students can have fortnightly meetings with the supervisor.
3. Log sheets provide the basis for evaluating the General Effort (Project Management, Attitude, and Technical Competency) of the student, by the supervisor and also for checking the attendance requirement of the student, by the FYP Committee.

This also provide the student with feedback from the supervisor / co-supervisor / company supervisor on the tasks done and provide the plan for the upcoming tasks. This can provide the motivation for the student to give consistent and efficient effort throughout the period of FYP.

4. Student who fails to meet the minimum requirement (six nos.) of log sheets will not be allowed to submit FYP report.