Graduation Project Week #22 Meeting Minutes

✳ Agenda

1. Reviewing the advancements of the DICOM viewer
2. Evaluating the status of the Mid-Year Seminar Report
3. Analyzing the most recent outcomes from the GAN model
4. Discussing the findings of the nnUNet model

✳ Meeting Points

- DICOM Viewer Development:
  - Assessed the enhancements made to the split-screen feature.
  - Reviewed the new synchronization option that aligns all displayed images.
  - Proposed additional functionalities and identified essential bug fixes.
- Mid-Year Seminar Report:
  - Analyzed the suggested presentation outline.
  - Agreed to add a new section to highlight previous work.
- GAN Model:
  - Reviewed the training of the pix2pix model using the normalized datasets (EMIDEC and MyoPS).
  - Conducted a comparison of the data from the two different datasets (pending completion).
  - Analyzed the loss curve for both trained models.
- nnUNet Model:
  - Discussed the application of nnUNet on cropped Regions of Interest (ROIs) from MyoPS.
  - Evaluated the potential of applying nnUNet to mixed MyoPS and EMIDEC cropped 128 ROIs.

✳ Attendees

Omar Emad
Omar Nabil (Leader)
Khaled Badr
Hana Hesham

✳ Planning Next Meeting

- GAN: Enhance the model's performance to generate more realistic data.
- Mid-Year Seminar Report: Add a new section to highlight past work.
- Inquiry regarding the duration of the presentation.
- nnUNet: Implement modifications to improve segmentation.
- DICOM Viewer: Proposed new functionality.