Meetings Timetable

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| --- | --- | --- | --- |
|  | Date | Online/On Campus | Topic |
| 1 | 16-9-2023 | Online | First meet to check tracks and initial ideas |
| 2 | 29-9-2023 | Online | Discussing our new ideas |
| 3 | 3-10-2023 | On campus | The regulations for our sponsor |
| 4 | 12-10-2023 | On campus | Medical Track filed discussion |
| 5 | 19-12-2023 | On campus | Seminar Rehearsal |
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|  |  |  |  |
|  | 1-4-2024 | On campus | Latest Findings in training |
|  | 9-4-2024 | On campus |  |

Meetings Details

## Meet (1): 16-9-2023

* Main Topic: Discussing Tracks to search.
* Our ideas:

1. Multi-Modal (several inputs)
2. [Face+ Voice Recognition.](https://paperswithcode.com/paper/combining-residual-networks-with-lstms-for)
3. Speech + Text Recognition.
4. [Image and Encoded Text Fusion for Multi-Modal Classification.](https://paperswithcode.com/paper/image-and-encoded-text-fusion-for-multi-modal)
5. NLP + Dialects
6. Translation - Speech
7. Online paid tools
   1. RPA + AI.
8. Computer Vision
9. Medical research.
10. Federated Learning
    1. Sentiment Analysis.
11. Open Source
12. Computer Vision
13. NLP
14. ML
15. Data Analysis
16. Machine Intelligence
17. Speech Recognition

* Dr Notes:

1. Don’t Focus on Accuraccy mainly
2. Deploy on mobile + offline ML models
3. Private data for rendering for other models [Medical + Secrecy for Data]
4. Dr Will check for open source
5. The game of the doctor to learn languages
6. Prototypes
7. GPUs
8. Kaggle
9. Nasa Space Apps  <https://www.spaceappschallenge.org/2023/challenges/>
10. benefits for products.
11. can be use in mobile in small size.
12. research not improving numbers that reached before "too risky as it's competition".
13. federated Learning is good idea specially in Medical field for data secure.
14. will check that can be not open source???
15. Medical research is good idea.
16. always think for benefits of our product
17. check performance of Our products
18. idea: games for Learning Languages by talking with characters ===> No games :)
19. Always not depend on Accuracy
20. Always explore and try prototypes
21. take Hard ware into accounts
22. take time of implementation  into accounts

## Meet (2) 29-9-2023

* Main Topic: Discussing Our new ideas.

1. Word [Offline + Mobile]
   1. Next word Prediction
   2. Grammar Detection
   3. Grammer Correction
   4. Translator
   5. Speech to Text
   6. Image to Text
2. Documentation Understanding   + Pretrained on my Model
   1. Document image classification
   2. Document layout analysis
   3. Table detection
   4. Text detection for OCR.
   5. Key Information Extraction
   6. Visual Question Answering (VQA)
3. Student App
   1. Mind Map Creator
   2. Summarizer
   3. Question Generation
   4. Notes Taker from Video and PDF
   5. Graph Representation
   6. Auto Grader
   7. Question Answering
4. Forgery Detection + Signature
   1. Fake News
   2. Fake Images
   3. Fake Text
   4. Fake Voice
   5. Forgery Signature (Verification)
5. Lost Children
   1. Future Prediction of Face
   2. Image Matching
6. AR-ML fashion stylist
   1. Suggest Outfits (From websites & Lockers)
   2. AR for the styles
7. Tourism App + AR
   1. [Landmarks Detection](i.%09https:/paperswithcode.com/dataset/google-landmarks-dataset-v2)
   2. Image Translation
   3. Test Read out by eye gazing.
   4. Navigation System in VR with direction arrows
   5. Offline features
   6. Translator by image and text
   7. Conversation Assistance (NLP)
   8. Planner System
   9. Recommendation System
8. RPA [Nile University]
   1. Image To Code
9. All Messages in one App
10. Controller by different methods
    1. Voice Commands
    2. Text Commands
    3. Laptop Controlling Commands
11. Google Translate Offline
    1. Doctor App
    2. Dental Advice
    3. Medicine Assistance
12. Sports Referee
13. Images Edition
    1. Text Commands
    2. Speech Commands
14. Decoration App (VR)
15. Gym app
    1. Detect the right way to train with therapist chatbot
16. Hide bad ad witch not suitable for children
17. Crash prediction for self-driving car

* Points to Check with Doctor:
  1. Will the code be Open Source
  2. Resources (GPU) of the Faculty
* Dr Notes:  
  1. Word

1. Facebook Similar Model (large) the doctor will check in meta.ai.research
2. What is Our Target ??
3. Student APP
4. Question generation & Auto grader → gives me the part from the question was generated.
5. Fake Problem : We won’t find data
6. Lost Children
7. Need to search on the others contributions.
8. Fashion
9. 360 scanning
10. ML
11. ML to scan
12. How is the clothes being predicted
13. Ads by eye gazing
14. Steal mobile.
15. Recommendation system with eye gaze
16. Past view of the place
17. Translation
18. Decoration:
    1. Add feature to know old furniture + recommend new and view

## Meet (3): 3-10-2023 (On Campus)

* Main Topic: Discussing Regulations of the Sponsor Cacao Systems.
* Dr. Notes: Sponsorship approved by the doctor.

## Meet (4): 12-10-2023 (On Campus)

* Main Topic: New Sponsor Voyance Medicals
* Our Ideas:
  1. X- Report Generation
  2. Medical Assistance App [Full Assistance]
* Dr. Notes:
  1. Check the Dataset availability.
  2. The Dr Preferred the Report idea

## Meet (5): 19-12-2023 (On Campus)

* Rehearsal for the presentation

## Meet (): x-x-2024:

* Main Topic:
* Dr. Notes: fine till now.

Done Till now:

* Done Obejctec De…

## Meet (): X-X-2024 (On Campus)

* Main Topic: Problem in (Language Model - HeatMap ) and verify load of project
* Details:
  1. In Language Model generates same sentences for all images
  2. Heat Map??
* Dr. Notes:
  1. Model can be not learning from images
  2. Load is fine

## Meet (): X-X-2024 (On Campus)

* Main Topic: Start training Language Model
* Details:
  1. We have resource problem
* Dr. Notes:
  1. Try to contact to doctors to get resources

## Meet (): 1-4-2024:

* Main Topic:
* Dr. Notes: fine till now.

Done Till now:

* Done gpt Trainer on half epoch
* We have a problem with server version
* Train heat map on 5 subsets on colab and get results and Confirmed Result of an Example from a Dr.
* We begin in Denoiser approaches.

Next Meet Tasks:

* UI/UX initial Design
* Fix Problem of gpt and complete train