* **Review**:
  + ~~Reading Project Proposal once again - Both~~
  + ~~Reading Paper once again - Both~~
  + Pick up published work that relates to our project and upload to drive - Both
  + ~~Validate and update our research directions - Both~~
* **Setup**:
  + Setuping and experience with paper code (using pytorch) - Both
  + ~~Configure Coupon and Vm on google Cloud ( same vm ? ) - Tomer (no need)~~
* **Goals**:
  + ~~List and rank our research directions - Both~~
  + Dor Mizrahi advise - Tomer
* **Data**:
  + Decide which databases are relevant for us - Both
  + orginazining relevant Datasets - ?
  + Preprocessing, filtering, or other special treatment on our data - ?
* **Implementation**:
  + ~~Open our “project repo” in git\google colab - Guy~~
  + Decide if we want to do a big change to the original code with our improvements, or convert it to a different library (from PyTorch to tensorflow) - Both
  + Experience with Research direction #1: - Tomer
  + Experience with Research direction #2 - Guy
* **Research direction:**
  + expansion:
    - adaptation to segmentation problem (or something else – not clustering)
    - adaptation to streaming data
  + Improvment:
    - changing algorithm split/merge
    - add efficient feature learning (maybe according to current K?)
    - use multiple loss functions\other loss function instead of one)Lcl) in training process
    - use more than one hidden layer (or other architecture) in Fcl and Fsub
    - use another algorithm than Fsub (or maybe k-means with k>2)
    - search for approach to increase ACC above all parametric methods in GT
    - search for another trick except alternation (switch between clustering and feature learning) For increasing acc
* **Research direction #1 -** adaptation to segmentation problem (or something else)
  + To be continued….
* **Research direction #2 -** adaptation to streaming data
  + To be continued….
* **Guidelines:** 
  + Document everything in “Documentation Process”! (graphs, tables, or other figures, decisions and alternative approaches)
  + Be sure to mention all links other papers and code parts we have collected online.