Things to include in your report:

1. For now, focus on topic modelling
2. Find out algorithms that can be used directly or those have high similarities to the work you are doing.
3. For each paper, introduce:
   1. Their aim
      1. What their model is trying to have.
      2. What data is available.
      3. What assumptions are they making
   2. What is their model
      1. If they try to do optimisation, what target function are they optimising? Include this. Or if they are doing likelihood functions, include it also.
      2. Which kind of algorithms is used
         1. EM, Variational…
   3. Focus on similarity and difference that it has with the work that you are doing.
   4. Why it may work or why it may not work in our case.
4. Can the algorithm be generalised and used in our case
5. What are their theoretical result
6. If you cannot find an algorithm that can be applied directly into our case, find highly similar ones. Introduce it in detail as mentioned above and say why do you think it will be helpful.

Algorithm: optimisation? Target function.. likelihood functions, models, what kind of algorithm .

Theoretical result?

For each paper, introduce in general what is the model. Focus on the similarity and what is the difference between it and why does it not work in our case.   
possible generalisation? 🡺

Phi relates to the document

Theta indicated the interest of topics

Z is a one specific document （with regards to?）