(a) <u>Workflows:-</u>

1. Specifications_∧: and requirements gathering The product is off-the-shelf. So, there will not be direct communication with customer. Here, developing teams and managers will have to specify the needs themselves. They have to think about various real-life scenarios and branches. Some communciation can be done from some selected companies.

2. <u>Analysis and Model</u>:- This time output of the last work will be used as input. Design model can be created graphically. Architectural modeling, component modeling and object modeling will be included.

3. <u>Implementation:-</u>

This will include coding and construction. Developers will build parts or software component, run unit tests etc.

4. <u>Testing:-</u> This part will actually be interleaved with implementation. Unit testing, integration testing, usability test all will be done. There will be system testing after implementation completion. However,

they can include beta testing for some selected companies, and rework with their feedbacks.

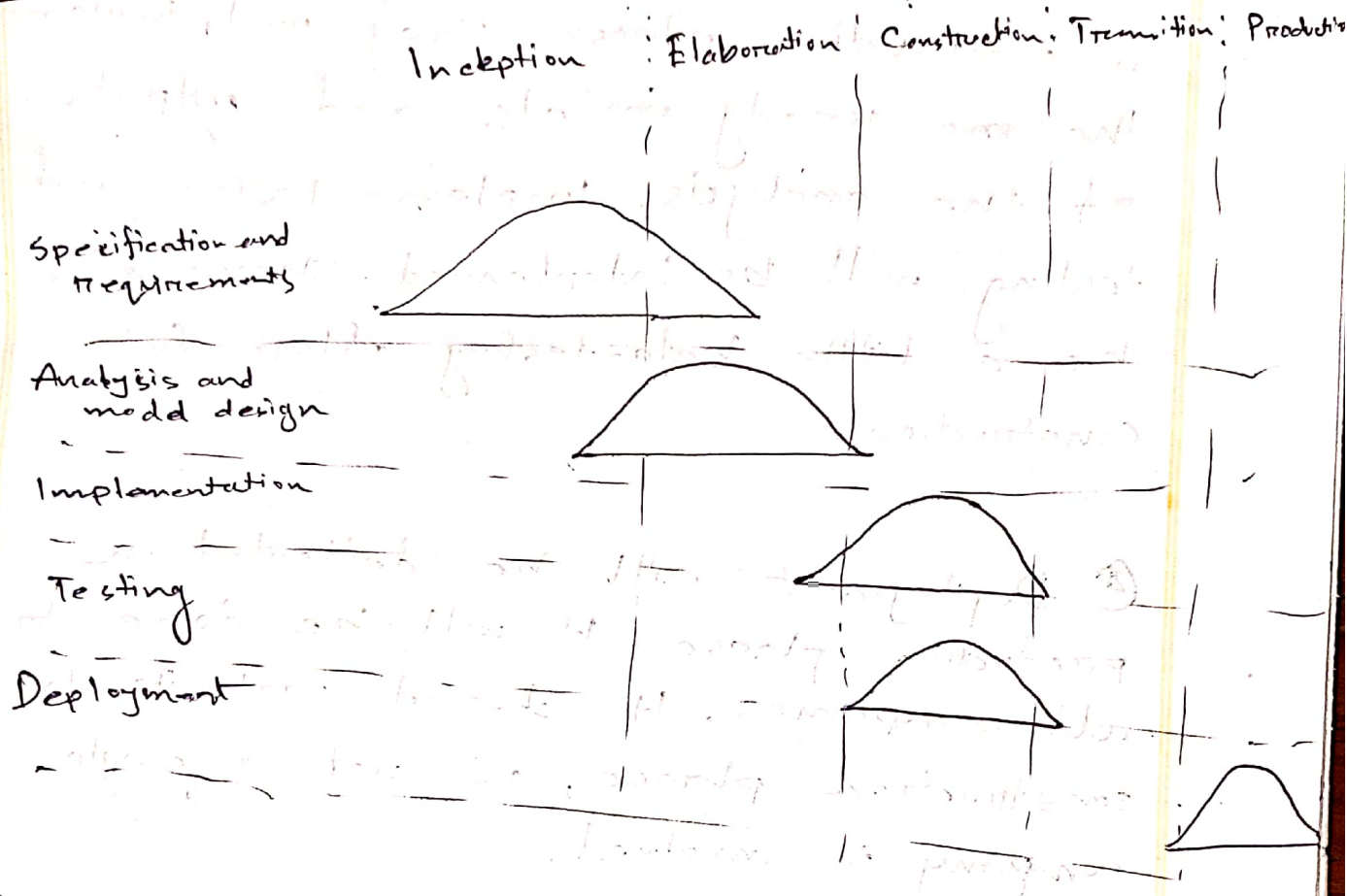5. <u>Deployment</u>:- Product will be released to all companies.

6. <u>Evolution</u>:- As it is an off-the-shelf product and will be used by thousands, evolution should be done carefully. If any major evolution is needed, they should be done immediately. Feedbacks from separate company can be 0' can be analyzed statistically.

(b) <u>Iterations/Phases</u>:

1. Inception   } This two can be merged as it is
2. Elaboration   } off-the-shelf

3. Construction

4. Transition } can be ignored

5. Production

These are usual RUP phases.

(c) Involvement of workflows in phases:

Inception : Elaboration : Construction : Transition : Production

Specification and requirements

Analysis and model design

Implementation

Testing

Deployment

(d) Reasons: —

① As it is off-the-shelf, requirements are ~~also~~ almost specified in inception/elaboration phase. It is not incremental, it will be determined once; but can be re-evaluted in other cross-phase loops.

② Analysis and modeling will be almost done in elaboration phases. They can be ~~is~~ started in parrallel with inception, and can ~~get~~ go little ~~feed~~ upto construction. They may not go upto construction phase, as things will be quite determined here (no single business ~~compo~~)

③ Implementation and testing should dedicated in construction phase, They will, implement the ~~so~~ ready models and outputs of the analysis. Implementation and testing will be interleaved. There can be a little beta-testing after full construction.

④ Deployment will be dedicated in production phase. It will be done to all companies. It should not touch construction phase, as not a single company is involved.