3 different processes in LCC:

1. The assessment exercises
2. The coordination process
3. Modifying CPL of TCNs
4. Assessment exercises
   1. Teacher sends a signal from WPM to the agents who are supposed to attend to that specific lesson. The signal consists of attendance info whether TCN is participating in the lesson or not. If TCN is participating, then his/her agent enables the assessment exercises for that specific lesson. If TCN is not participating, then agent doesn’t enable the assessment exercises. In any case, agent saves the knowledge of “attendance to the specific lesson” into the LAKR such that it can use while computing grouping result.
   2. The assessment exercises will be available for a predefined amount of time (e.g. 1 hour) in which TCN is allowed to submit his/her answers. Once submitted, no change can be made anymore. In case TCN doesn’t submit the answers until there is a predefined amount of time (e.g. 10 minutes) left for the assessment exercises to be disabled, app will notify TCN such that he/she is aware of the situation. Once the time that is spared for assessment exercises (e.g. 1 hour) ends, the app automatically submits the answers of TCN even though not all of the exercises are completed.
5. Coordination process to group TCNs:
   1. The coordination process will start only when teacher explicitly requests via WPM. While requesting, teacher will be able to specify the group size as a range (e.g. 3-4: 3 or 4 students in each group). By default, the range is “*at least 2, at most 5 students in each group*”.
   2. It is a “**Nice to Have**” to be able to specify a list of ranges of group sizes. For example, teacher might specify [[2-5], [3-4], [3-5]] in order to get 3 different grouping results in which the group sizes would satisfy the given ranges. In such a case, when agents are supposed to provide multiple results, they will try to compute the results in parallel rather than in sequence such that teacher doesn’t need to specify a new range each time. However, as mentioned above, this is **not** a “**Must Have**” for at least 2nd Prototype and will be implemented after the LCC works successfully.
   3. Once agents compute a grouping result, they inform teacher via Teacher Panel in WPM. In case teacher is not online, they send a notification to WPM telling that the result is ready such that teacher can view it when she is back online. In contrast, agents don’t inform their TCNs about the grouping result but the teacher manually does it when TCNs are in the classroom. That is because of the following reasons, as agreed with DTSF:
      1. TCNs don’t necessarily need the grouping information when they are not in the classroom.
      2. In order to protect the privacy and avoid some problems such as “missing the lesson because of group partner”.
6. Modifying CPL:

WPM and KBS shall provide a functionality such that teacher is able to modify the CPL of any TCN. To do so, agent of the TCN doesn’t have to be awake because KBS will have access to the local knowledge of all agents.