Online Learning Management System

Description

The idea is to develop an online service which can be used by academic institutions for managing academic interactions.

Features-

1. Professors and students will have <u>personalized accounts</u>.
2. Most of the interactions will take place in '<u>groups</u>'. Students and professors will be members of the groups.
3. Membership for a group will be decided by the <u>course</u> one is taking/offering. Groups can also be made on other ground of resemblance among members (like year of study etc.).
4. The professors/students can <u>upload related notes</u>/media on the group.
5. Professors can give <u>assignments/ homework</u> and students can submit the answers online.
6. The group members can have academic <u>discussions</u> on the groups. Proper posting and commenting features will be present.
7. Professors/TAs would be moderators of their respective groups.
8. An <u>administrator</u> would manage accounts and groups for a particular institute.
9. Institute can <u>register online</u> for the complete package.
10. Features for <u>taking/giving quizzes</u> would also be included.
11. Other <u>personalized features</u> can be included as per need of the institute.

Innovation at later stage-

1. Once the service gains popularity, live chatting and video lectures feature will be included.
2. Institutes can request for special features which will be added as per the institute's requirement.
3. The feature of interactions among institutes can be incorporated.

Scalability-

The web service can be scaled to a large extend. All kinds of Academic institutes can use the service.

Market-

The only thing that comes close to the above service is 'moodle'. Moodle requires manual configuration and regular management by the institute staff. The above service is much easy to configure and implement, since a simple user-friendly Graphic Interface will be provided. Also, the above service is much more <u>flexible, reliable</u> and <u>robust</u>.

All the technological aspects will be handled by the development team. The institute faculty can focus completely on academics and not worry about the technical side of the academic network.

The Team
The team comprises of the following three members-

1. Anish Ahmed
2. Gaurav Kumar Agrawal
3. Sahil Grover

The three are third year B.tech students from Computer Science Dept. at IIT Indore.

Financial Requirements
1. Cost of purchasing servers/space on cloud.
2. Cost of buying software and hardware development tools.