Intelli**Study**

Ministry Category : Ministry of HRD / Education &
Skills
Problem Statement : Artificial Intelligence used
system to identify the level of understanding and
provide learning as per the requirements of the
student.
Team Leader : Ankita Makker
Problem Code : #MHRD5
College Code : Institute of National Importance

Problem Statement

The objective is to use artificial intelligence to make the educational experience easier, better and more effective. A system that takes care of the needs of different students differently through the application of greater levels of individualized learning. In regular classroom learning, students differ in terms of their learning abilities and thus a common teaching source can't ensure proper learning of every student. Our system trains according to the abilities of different students differently and thus provides a custom and personal learning experience.

Our Solution

This platform provided to the students promotes learning together, in one's own time zone and pace. This kind of custom-tailored education helps reduce pressure on the student as well as improves performance. The interaction between peers while learning builds up confidence as well as makes learning a fun process.

By providing an interface to students and mentors which enables them to subscribe, build up their profile, access the content of various courses (from kindergarten to graduate schools), attempt quizzes, review progress, browse career paths, group chat in case of any queries, post problems in the discussion forums as well as respond to them, provide feedbacks which is essential for the evaluation of the system and improving the content.

The mentors can use the same interface for checking the feedback and updating the course material accordingly. The mentors can solve the problems of the students and give their expertise in the discussion forums which is an important aspect.

How we think it's the best solution?

Besides the Conventional study flow, The study pattern of **IntelliStudy** is what makes it different.

1. According to the built profile or courses opted, career paths or related courses to be studied are recommended to the student.

2. As per the questions answered in the quizzes, the level where the student lies in (Hard, Medium, Easy) is determined. According to the understandability of the student, the course content is displayed (From Tricks and Hacks to detailed Information) when it clears that particular level then the next set is opened.

3. Groups formed consists of students at the same level and with similar interests. They can not only chat in the formed groups, but also attempt the subjective assignments that are graded by peers for complete understanding of the subject and help each other out.

4. This system responds to the needs of the student, by emphasizing on certain topics where improvement is needed, repeating things that students haven't mastered, The aim is to go with the pace of the student by understanding his/her requirements.

5. It can point out places where courses need to be improved based on observations where students mostly got confused and couldn't answer questions and on the basis of feedbacks.

6. Students get immediate feedback that helps them to understand a concept (when answered incorrectly) - saves time.

7. AI can monitor student progress, automate grading and alert professors when there might be an issue with student performance on the basis of the results of quizzes.

How will it benefit citizens and nation?

Intellistudy focuses on students of variant backgrounds, helps them learn according to their intellect level and interests free of cost, as education cannot be sold.

It helps the student know the career path as that is one thing most of the students are always confused about. From what to study to how to study to interactive group chats, quizzes and assignments, it takes care of all the needs of the student such as recommended courses, progress rate, etc. The group chat is a medium for like minded people to share their thoughts and help each other out, to create a healthy atmosphere as well as motivate the student. The student can connect with the mentors of the courses as well for any queries. This will enable the student to be more open, interactive and grow along with others thereby improving the quality of education in the nation. Its not just the intellect that adds on but also improves the student's interactive skills.