

Project Proposal Document for “Students  
Learning Network”

# Group members

Nabeel Hussain Syed  
(122937 )

Submitted to Professor Fahad Satti

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## INTRODUCTION TO PROBLEM AREA:

In Pakistani educational system especially the educational system till university level and even after that there is a major problem in the learning process, the students are not always provided with new updated studies about different phenomenon but are taught with the same old course material which is going on for decades, the second bigger problem is that there are very few efforts done by the schools/colleges staff to provide accessibility services for the students, therefore the students who're having any physical or psychological issues due to which they can't keep up with the class usually lag behind other students and also lose interest in studies due to lack of understanding of the concepts that they're being taught, we're trying developing a platform/application for students as well as the school/college/university administration and faculty to use the platform to efficiently communicate with each other and also to help the students learn what they haven't learned properly at school by linking them to other students who can help them and whom they can help, this process will be done by using efficient matching and graphing algorithms and latest techniques. The students will also be regularly provided with latest lectures and online sources for the topics that they're studying in school, to increase their understanding and interest level.

## TARGET AUDIENCE:

The main target audience of the product is the schools/colleges where there isn't enough funding to provide best quality of accessibility and understanding about the subjects that are being taught there, especially govt. colleges/schools, this platform will help improve the academics of students and also will provide features for the faculty and school to help them do their job efficiently.

## NEED ANALYSIS:

In Pakistan and other developing countries many talented students especially in government institutes are left behind just because of some of a few simple problems that can be managed by just using a well designed/developed platform to help them communicate with each other, their teachers and also help each other based on what they're capable of providing help about, and there's also need to update students with latest information/material about the topics they cover in their course.

### PROBLEM STATEMENT:

In our educational system the major flaws are that there are a few accessibility services, there isn't much efficient communication between the students and teachers, there isn't very frequent updating of the topics that are being taught - according to latest improvements and also many students are lagged behind due to lack of understanding of concepts, which causes them to lose interest in studies.

### OUR SOLUTION:

We'll develop an app for schools, students and teachers which will help them communicate efficiently and manage their matters more efficiently, the app will automatically link the students and create group study sessions between them based on their relevant information which will be the topics they've learnt or covered well and the topics that they need help about, this will be done by using suitable efficient algorithms, and in the group study sessions the students will be able to create notes, send notes, and also refer to the instructor if they need to.

### NOVELTY:

The application will provide many new helpful features using latest techniques to ease the students study life, it will automatically link the students and create group study sessions between them based on their relevant information which will be the topics they've learnt or covered well and the topics that they need help about, this will be done by using suitable efficient algorithms, and in the group study sessions the students will be able to create notes, send notes, and also refer to the instructor if they need to.

### TIMELINE OF COMPLETION:

We Plan to complete our project in one 5 weeks

1<sup>st</sup> week we will work on the user end interfaces of the application and will develop a basic prototype

2<sup>nd</sup> week we will work on the server end and databases.

3<sup>rd</sup> week we will work on the scripting, communication and algorithms/coding.

4<sup>th</sup> week we will be finishing off the unit tests / versioning / documentation.

5<sup>th</sup> week will be for testing and deploying the product.

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