

## Online Student Mentoring System

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### Abstract:

Mentoring means sharing knowledge with people around us, it is a professional way of expressing our skills and letting others and ourselves. Educating others with the knowledge we have and that to done in a virtual platform is one of the main reasons of the online mentoring system. These are basically for students nowadays who are into an online platform and looking after the performance has become much more difficult than usual, in this case this system comes handy. This promotes active engagement of students in both academic and their non-academic activities. This Application replaces the conventional and inconvenient method of clearing doubts in classes which involves the mentor and student to be physically present at the same time. In this context arises the importance of our application. This application bridges the existing gap between mentor and students due to the time constraints.

Keyword—Mentoring, education, Students, virtual, academic, performance, activities, online

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### 1.Introduction

Online Mentoring system is an educational based portal that helps students to prove themselves and know their strengths even in an online platform. Mentoring can be a push to the students to know their interests in real life. but now when everything is online coping up to it will only be the solutions to our life. This system can be as useful as the mentoring in real life. Monitoring a child's activities and behaviour is no longer an easy task and that to done in a virtual platform gives us other benefits like , students will not be afraid to open up to their mentors ,which makes it easier to know a student. Mentoring is like nurturing a plant when done it right by the mentors any platform will be useful to make grow a person.

This system has its own advantages and flaws but when seen as and advantage this system can nurture students virtually with the best benefits possible

### 2. Motivation

We first explain why a low response time is crucial for a actively participated students. The measures are given

- Encourages students to actively participate in events and academic activities
- Replaces conventional and inconvenient ways of clearing doubts of students.
- Bridges the existing gap between mentor and students due to time constraints.
- Can monitor student activities

### 3. Towards the purpose of exploring new ideas

This system is student centric based and can be used effectively in college and universities. This system can give equal service to students of varied academic and financial backgrounds, by automating this system increases the data accuracy and makes mentoring secure, effective,

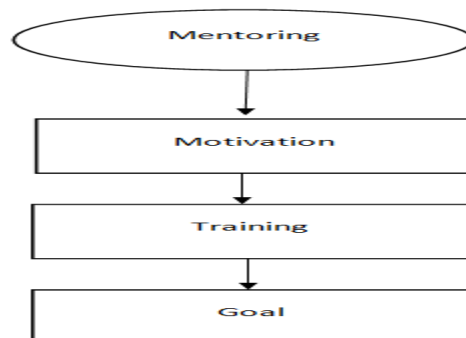
convenient and accessible. Having a great platform in today's environment about education and mentoring will be so successful and useful all around the student communities. This system has the capacity to change the way of education into a much more useful platform and has a great security of all the datas that are present online. Exposure to new ideas and ways of thinking and Mentors can advice students on developing strengths and overcoming weaknesses. This can build a very strong relationship between a student and a mentor which will let the students to express more on their life and activities, and also their weakness if there is any. Mentees have an opportunity to gain practical knowledge and insight from a seasoned employee who has achieved a level of expertise they aspire to attain. Mentors have an opportunity to expand their repertoire of professional knowledge and skills through their instruction and facilitation of others. The organization has the opportunity to further develop and disseminate the wealth of talent, skill and knowledge of its staffs. it also provides a great level of fulfillment and satisfaction of helping others and contributing to the development of students and staffs which will bring some confidence to both mentors and the mentees.

#### 4. Mentoring System

- Mentoring of students, is an essential feature to render equitable service to all our students having varied background.
- Student-mentorship has the following aims:
- To enhance teacher-student contact hours
- To enhance students Academic and Non-Academic performance that attendance, internal, Club Activities and so on.
- To minimise student drop-out rates.
- To identify and understand the status of slow learners and encourage advanced learners.
- To render equitable service to students.

#### 5. Existing System

Existing system consists of more manual work of all the activities and datas are stored in paper based format, communication between the mentors and mentees get over within a period of time due to the closing of universities and colleges that gives only a period of time for interaction there is no connection between the mentors and the mentees that results to building a gap between the interaction between them. Having a great method of results in this system but still it has some disadvantages to it due to the current situation of students all around the world, it is indeed important for us to choose over to the proposed system nowadays to keep the students interactive and active throughout their academic years.

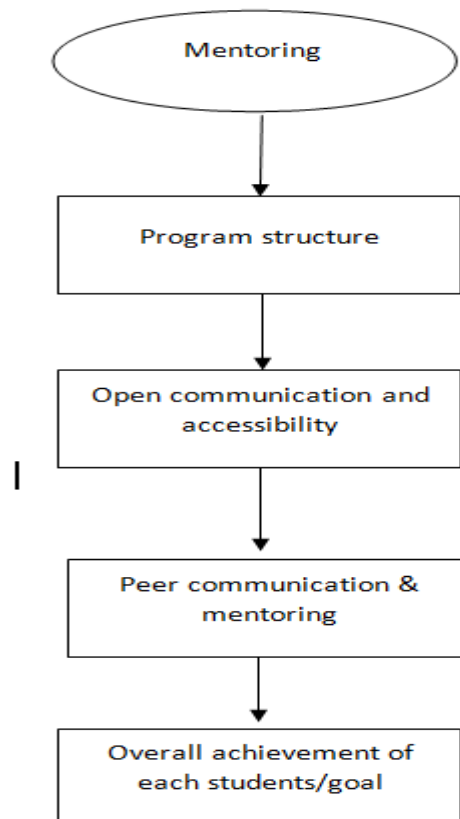


## 6. Proposed Methodology

The proposed system takes up the whole existing system into a virtual platform. The main idea of this system is to cope up with today's technology and adapting into its culture which gives more security and more reliability. Time constraints is main part in it, where the students can interact with their mentors at any time they need. This builds a strong relationship between them which will be helpful for the mentors to upskill a student knowledge based on their interaction.

The objective of this system is,

- Better system for all the students
- Looking up to day to day activities and achievements of students
- Great platform to show case student skills
- Easy to access student datas
- Marks can be updated and stored
- Student club participation and extra-curricular activities can be improved.



## 7. Experiment Formulation

- The mentoring system is made in such a way that it brings a better way of guiding the users through this app which could help in the advancement of mentoring the clients in any of the institutions where this system is used.
- Advanced level of softwares and applications like bootstrap tools and SQL servers and other programming languages are used to give it a better interface.

**Advancement of system:**

- Better security and interface can be developed with advanced tools.
- Institutional mentoring can be brought into a single system that can less than the estimated cost.
- More options and modules that can lead to many users.

**8.Security Metrics Measured**

The security of an online based system is one of the important aspects of today's platforms. Thinking about small data being stole by some hackers leads to such a chaos. So getting all our data hacked or affected by virus becomes a big deal. This system stores everything in a secured manner in its database and gives us a lot more data security and this can be trusted to store our data for the future access of information of any of the students and mentors needed by the institution. Registration, login and editing of data are easy which gives us a level of satisfaction and a place to keep our data safe. Having an n number of users and their data manually becomes a hectic work, So getting to store all our information in a virtual space is one of the go to ideas nowadays. So trusting these platforms will give a great level of results and also an easy environment that we can use.

A secure college management software often provides password protection for each module. Administrators can configure the software to varying usage access for different personals who use the software. A teacher who uses the system maybe needing access to many modules including attendance management, examination management, etc. And this mentoring system provides it all in an easy to access application.

**9. Experimental Evaluation**

- ADMIN(HOD)

The admin creates staffs and assign each staffs to their student mentees and assign tasks to be completed for each of them. The admin can then view the reports and activities of each of the users under it.

- STAFF/MENTOR

The staffs can view all the information of the students, can communicate with students and to their parents through it. Assign task and assignment to each of the students. They can also update the profile.

- STUDENTS

The student can view and edit their information, contact their mentors and do their task and activities assigned to them and can update their profile.

**10. DESIGN REQUIREMENTS****ANDROID APPLICATION:**

- App creation using JAVA
- Database- MySQL
- Storage- 5 to 10 mb

## IOS APPLICATION

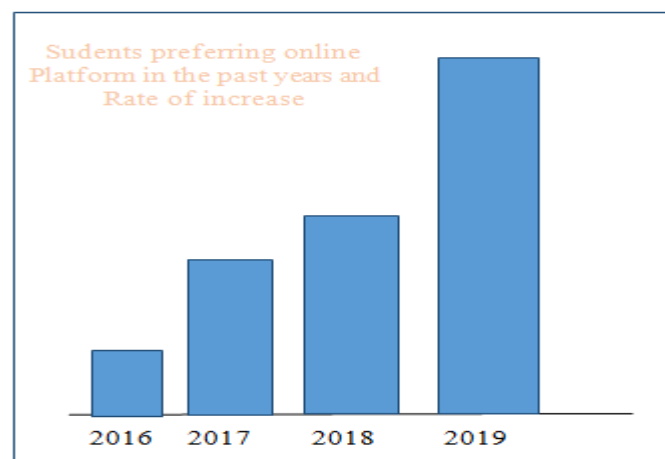
- App creation using- JQuery
- Database- PHP/ Node js
- Storage- 10 mb

### 11. SCOPE

Scope for mentoring system is in high demand these days getting into a platform where everything has become online as the current situation is letting all the users to connect through every steps of technology. This system makes life easy of students, teachers, institutes and also the parents of each students.

This system lets every user to interact with any one and do all their activities and extra-curricular inside a single application itself. Parents can see the progress of each students and connect with all their mentors if any query. Paper based mark system has come to an end as of now this platform can be used to update each students progress and marks. Mentors can guide mentees with all the needed skills through this platform. Students can be much more interactive than usual, because teenagers tend to be more socially active and confident in an online platform. Which can upskill themselves and gaining self -esteem will be easy for growth. Online mentoring system can also provide distance education and mentoring to students living in a long distance, he/she can access this application to use it at their own comfort and can clarify their doubts from anywhere. There is no need of physical presence of the user, Virtually every part of their work can be done in ease.

### 12. RATE OF INCREASE IN ONLINE MENTORING PLATFORM



Students looking into virtual platform has increased through all these years. Vast percent of the students depend upon educational websites for learning. So why not an app that clearly understands educational needs. With great effort comes great results, online platform has put lots of efforts for growth of these platforms and using this platform the education system has grown itself through lots of inventions. In this rate of increase there is lot of chance for mentoring system to grow its place in the students and institutional committee.

### 13. CONCLUSION

This system concludes to have a great impact on the educational platform and student mentoring aspects. The above are the outcomes of the application,

- It can access by any number of users.
- Simultaneous login from more than one place .
- Advanced tools can be used for this application.
- When adding more features like video / audio we can move to web application.
- Our further enhancement is develop this application in IoS platform and planning to accessed as a offline app.

All these from a single application is a great deal of success, and attaining the needed users are the main goal of this application. This system can improve the current situations of all the students who has difficulty improving their skills and activities

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