# Mining Teachers Personality using Forum and Student Feedback- An Overview of the System.

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*Abstract- Now-a-days teachers are getting very lazy and boring due to students behavior & loose administration. To improve education quality we first have to improve teachers quality and their mentality towards teaching .The students can't submit any complaint/feedback against teachers because it may affect their marks and teaching quality. To overcome these problem we propose a online forum application in which teachers are under supervision. Every comment posted by teacher will be classified into personality reflecting categories. To classify comments bayes classification technique will be used. Along with this students can comment on teacher's post , submit feedbacks and rate teachers about their behavior. the system will find out overall personality of teacher and submit it to the administrator, so that the administrator will take any appropriate action.*

## I. INTRODUCTION

Teachers need continuing professional development to meet social and knowledge demands and ongoing support to make changes to their practice in the curriculum, instruction, and the assessment of student learning

The professional development program provides the best opportunities for teachers to solve teaching problems, develop reflection, and improve their performance. With the rapid development of internet technology, a great number of online learning platforms, and course management systems become an alternative instruction medium for the professional development program. The way of online profession development provides convenience and flexibility for teachers to participate in online discussion forums, interact and communicate with colleagues and mentors and students in ways that would have previously been difficult.

**"Mining Teachers Enlightenment using Forum Discussion Data and Student Feedback"** which is an a online forum application in which teachers are under supervision. Every comment posted by

teacher will be classified into personality reflecting categories. To classify comments we will use bayes classification technique.

Along with this students can comment on teacher's post , submit feedbacks and rate teachers about their behavior. Our system will find out overall personality of teacher and submit it to the administrator, so that the administrator will take any appropriate action.

This is a two way system in which teacher's personality will be judged from teacher to teacher communication as well as teacher to student communication.

## II. LITERATURE REVIEW AND RELATED WORK

Teachers' online discussion data provides a great deal of implicit knowledge for educational researchers and practitioners to understand teachers' reflective thinking. The understanding can help teacher training managers make correct intervention policies, improve the quality of teacher training, and thus enhance teachers' teaching abilities. The large-scale online discussion data provides valuable information to understand teachers' reflection

Educational researchers commonly use a variety of methods such as classroom observation, content analysis, surveys and interviews to collect data and analyze teachers' reflective thinking.

These methods can reveal in-depth meanings within the unstructured data, but are time-consuming and cannot be implemented in a large scale. The conclusions from these studies may be subject to the subjective impression of educational researchers. Moreover, the results obtained from these methods are lagging behind and cannot help teacher trainers make timely intervention policies. On the other hand, the data-driven approaches such as educational data mining and learning analytics are able to analyze mass of relative data and visualize results.

### III.    ANALYSIS OF PROBLEM

Now-a-days teachers are getting very lazy and boring due to students behavior & loose administration. To improve education quality we first have to improve teachers quality and their mentality towards teaching The students can't submit any complaint/feedback against teachers because it may affect their marks and teaching quality.

In existing literature, online data classification techniques are discussed to understand teachers reflective thinking. In existing system, teacher to teacher communication is considered only. But there is only one entity known as student who can guess teacher's personality exactly.

To improve this system, we propose a two way system in which teacher's personality will be judged from teacher to teacher communication as well as teacher to student communication.

To overcome these problem we propose a online forum application in which teachers are under supervision. Every comment posted by teacher will be classified into personality reflecting categories. To classify comments we will use bayes classification technique.
Along with this students can comment on teacher's post ,submit feedbacks and rate teachers about their behavior.

Our system will find out overall personality of teacher and submit it to the administrator, so that the administrator will take any appropriate action.

### IV.    PROPOSED WORK AND OBJECTIVE

Teacher personality analysis using Forum discussion data and students feedbacks is the system in which there is the online forum in which the teacher and students will participate. It is a two way process in which the teacher can communicate to teacher and teacher can also communicate with the students. The teacher or student can start an online discussion on a topic and the teachers as well as students can participate in a discussion where the comments of only the teachers will be recorded and stored in the database and the comments will be mined using classification by using bayes algorithm. The students can also give feedback regarding the comments of the teacher which will be stored in the database and the opinion mining will be used to mine the thinking of the teacher

as shown in the following figure



The admin, staff and students are the users of the project.

There will be five modules in the project:

1) Admin module:  the admin will be able to login into the system, he will be able to register staff and also create staff login, he has the authority to approve  the pending requests of the students. He will also be able to view students and the reports of the teachers reflecting their thinking.

2) Staff module: Staff will be able to login into the online forum, he can participate in forum,can also Initiate new activity/question/discussion on forum and can get statistical report for views analysis of every teachers which the staff initiated.

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3) Communication data classification: Every time when the Staff member participate in forum the discussion data will be given to the classifier as a input and then the discussion data will be classified by classification technique and the result will be stored in database. The data will be classified by using bayes algorithm.

4) Student Module: the student first have to register himself or herself in the forum and then after approving his request from the admin he can login and participate in the forum. He can also send feedbacks about any teacher, he can also comment on teacher's online discussion and can also send complaints about the teacher.

5) Decision Support System(DSS): The classification and opinion mining data will be stored in database, using that data system will generate statistical decision support reports about every teacher. the decision support reports are visible by admin only

## V. DESIRED IMPLICATIONS

The system is been desired to generate the reports of the teachers which will show their reflective personalize thinking. The student will be able to give the direct feedback about the teachers participation in the online discussion forum which will be stored in the database and then it will analyzed and classified by using bayes algorithm and opinion mining. The teacher as well as student can initiate the online discussion and the teacher who initiated the discussion can stop it anytime when he or she wants the same. The reports will be displayed to the admin only and based on the reports admin can take practical decisive actions towards the teacher.

This system is been desired to help teachers to improve their thinking which will be beneficial for the students and the overall education system.

This system is also desired to help management system of the educational organization system to monitor the overall growth of the faculties working in their organization.

## VI. REFERENCES

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