Peer Evaluation System

M.tech Project
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How to make Peer Evaluation more effective and efficient

Web System [2, 1]

Peer assessment is “To assess the value, quality, level, worth, successfulness of the product of learning of other’s work of similar status”. It helps in improvement of student’s cognitive skills, evaluation skills which are reflected in his subsequent work. A web based system contains :

- Automatic result.
- Strict guidelines.
- Tutor support.

There are three main activities those are :

- **Group Discussion** : To better understand assignment and improve interpersonal skills.

- **Marking** : Compare own work with peer’s work and then enhance in self evaluation skills.

- **Feedback** : Provide feedback to others, for the sake of further improvements. The purpose of such things are :
  - Self Learning.
  - To learn accuracy in judging other’s work.
  - To provide the effect of peer assessment.

There has been so many paper based on peer assessment which lacks in :

- Anonymity.

- No award for marking.

- Inconsistency in assessment.
System

It depends on four steps which are:

- Design, in this step there comes few more things which are:
  - Process
  - Anonymity
  - Group Discussion
  - Mark Scheme
  - Marking criterion and guidelines

- Software Development

- Deployment

- Monitoring

Process

Generally, students are not serious while evaluating others or they don’t evaluate. Thus, one stage that is added is “QualityMarkingFeedback”. So it becomes necessary to give feedback and follow the process seriously. It should be two way, i.e the relation of evaluator’s feedback is decided by student whose evaluation is done by evaluator.

Anonymity

There should be anonymity in web based peer evaluation to avoid biasing, because it would be the case that student will give over marks to their friends and under marks to their enemy.

Group Discussion

There will be a group discussion among students to make sure whether they are marking right or not and moreover they will also come to know about what strategy others are following.
Marking Scheme

Total marks are divided in 50% given by automatic result, rest 50% is divided into 30% peer score and 20% is gained by feedback.

Marking Criterion

There should be some marking criterion or guidelines which will help students to evaluate others and self evaluation.

Software Development

Students submit their assignments in the department’s online submission system, and then the web based system will handle these submissions to divide students to make sure who is evaluating to whom.

Deployment

The objective of peer assessment and evaluation should be clear to everyone. It should not be misunderstood. The purpose of the system is not just assessment but learning things also. Few thing should be followed:

- Why and how marks are awarded.
- Feedback should be appreciated.
- There should be an environment of belief among students in terms of feedback as well as marks awarded.
- During marking process, tutor should be available to assess any inconsistency.
- The whole peer assessment process should be fair.

Monitoring

Problems that arises:

- Some students don’t evaluate.
- Some will cheat.
So, there should be proper monitoring of process to ensure minimal inconsistency in the whole process.

Discussion

It needs practice to become a tutor or evaluator. It is not a single day job, no matter how much guidelines are provided. Also there are some deeper issues that need to be discussed, i.e some students think that they are not qualified to be marker, only tutor lecturer is an expert marker. Some students did not believe on peer assessment systems, as they think peer would not work fairly. The novelty of system is:

- The awarding of marks for the student’s marking itself.
- Facility for anonymous marking.
Bibliography
