



Date: 16/07/2018

**Notice**

To: All the faculty

Subject: Implementation of proposed quality initiatives by the department faculty

This is with reference to the quality practices adopted by faculty to innovate teaching learning in previous semester using various pedagogical approaches. It is advised that other faculty also implement and evaluate these practices in this semester.

| S. No | What is the Method?                  | Why is it Needed?   | How will you Implement?  | How to Measure the outcome?   |
|-------|--------------------------------------|---|--|---|
| 1.    | Open book Test                       | Helps to understand topic and able to answer indirect question.   | Test is designed in such a way they will read the topic and write answer. (No direct Question)   | Assessment of the test  |
| 2.    | Use cooperative learning methodology | We can create interdependency among the team members, develop individual accountability, improving brain storming, building teamwork skills, improving self-assessment skills to analyse team working | Initially, make it slow by forming teams of 3-4 students (Instructor selected groups works well than self-selected teams) for out of the course assignments and gradually increase the level of assignments and conduct survey over a period of time to analyse the results. | Vivas, open book tests  |
| 3.    | Remedial presentation.               | Students copy the remedial questions from other students and submit it without understanding them. To avoid copying of remedial work, they are given presentation on the topic they missed.           | Students take the topic from the faculty as per their attendance and prepare the presentation. They are supposed to present it in front of the class in the last 10-15mins.  | Instead of copying the questions and answers students at least understands the topic they missed and present their understanding in the presentation. |

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| 4.  | Use of online tool for assessment at the end of the session   | It gives assessment results immediately and so the immediate feedback can be given to the students.         | A tool called Socrative was used for formative assessment for students. They had to login to the website only for that test, and got an immediate result. | Performance was measured and provided to the students immediately and also the faculty gets the percentage of the students who have answered the question correctly. |
| 5.  | Continuous assessment and evaluation.<br>Mock practical exam can be conducted before the main exam  | To ensure the preparedness of students for final practical/oral examination and to improve the quality      | Mock practical/Oral exam can be conducted at the time of submission   | Maximum 5 marks can be allotted and these marks can be considered for term work evaluation.  |
| 6.  | Conduct practical's using open source tools/software's  | Students will be familiar with the open source tool or latest technology                                    | All the systems should be updated with the latest versions of the open source tools   | Compare the result with the closed source software and the understanding of the students to operate that particular tool   |
| 7.  | Enhancing activities (Seminars, Crash Courses, etc...) those are conducted By and for the students. | To increase the involvement of the students.<br>To provide a Platform to students to share their knowledge. | Identify students who can share their knowledge and set up a session in class room / lab.   | The measure of the increase / decrease in involvement of the students in college activities  |
| 8.  | NPTEL Videos for some topics  | The explanation is related to real world application.   | Short videos  | Test after video   |
| 9.  | Expert Lecture  | To understand Industry Relevance  | Invite Expert from Industry for a specific topic of curriculum.   | Online Quiz/ small project   |
| 10. | Quiz(based on previous lesson)  | To judge the level of understanding of lesson   | Verbal Activity   | Viva   |
| 11. | Surprise Test during lectures   | Revise the concepts and more understanding  | 10 minutes before the test the concepts are revised and test is given   | The test is subjective so either 2 marks or 5 marks to be allotted   |
| 12. | A survey for the  | To check the aptitude of  | The survey would be   | The survey could be  |

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|  | students should be done about a particular course before the course has been taught so as to check the level of knowledge that a class has about that course. | the student regarding that course.<br>To get all the students on the same plane of understanding.<br>Can teach or even introduce to advanced topics related to that course.<br>This will help the faculty to frame ideas to teach that course effectively. | conducted prior to the course & the findings could be noted down.<br>The topics would be included in the Semester Plan (Theory) itself. | evaluated under certain parameters that which can check whether that class is having any knowledge of that course prior to being taught. |
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Faculty deploying these practices is required to measure the outcome of these new quality initiatives through feedback by students.

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