Date: 14/02/2018

Notice

To: All the faculty

Subject: Implementation of proposed quality initiatives by the department faculty

This is with reference to the meeting held by Dean Academic on 6th February 2018 where the faculty was asked to suggest innovative practices taken by them for improvement in quality of teaching learning in class rooms / laboratory. The faculty came up with the various practices followed. HOD and Deputy HOD in presence of Dean Academic have shortlisted 12 practices to be adopted and evaluated for the current semester. The practices identified are as follows:

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 analyze 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 analyze the results.	Vivas, open book tests
3.	Use of Blended Learning	Apart from face to face interaction students are registered in NPTEL courses, online videos are provided for better learning and understanding.	Online video	Learning Outcomes
4.	Remedial presentation.	Students copy the remedial questions from other students and	Students take the topic from the faculty as per their attendance and	Instead of copying the questions and answers students at least

		submit it without understanding them. To avoid copying of remedial work, they are given presentation on the topic they missed.	prepare the presentation. They are supposed to present it in front of the class in the last 10-15mins.	understands the topic they missed and present their understanding in the presentation.
5.	Designing different Assignments and Remedial for different group of students.	To improve the subject knowledge for all levels of the student	In Monthly assignments, different questions can be designed for fast learners and slow learners. Assignment and remedial should contain analyse/ apply level questions	The weightage can be assigned according to the difficulty level
6.	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.
7.	An Innovative system for the generation of term work.	1. For fair evaluation of the journals. 2. To ensure that the outcomes framed for the lab is attained. 3. To ease and set up a fair process for awarding term work marks.	The students should be evaluated not only on Attendance, but also Quality of Work. Have created a formal approach of marking lab/class work keeping quality of work in mind .And then scaling down the obtained score to appropriate term work.	Maximum variation of term work marks across the class. The improvement of the students in the performance of the Lab work can be measured and monitored in both cycles.
8.	Identifying technology gap by comparing syllabus with other university syllabus	Students will be familiar with other university curriculum	Introducing new subject from other university through TBL	Feedback
9.	Continuous assessment and evaluation. Mock practical	To ensure the preparedness of students for final practical/oral examination and to	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.

	exam can be conducted before the main exam	improve the quality		
10.	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
11.	Implement new ideas in classroom teaching. One latest trend related to the course should be discussed compulsorily at least for 15-20 minutes so as to make them understand real-time applications of that course.	To develop more interest amongst the students. To make the class interactive. To develop habit of reading and improving knowledge about that course.	The Student participation can be noted and evaluated accordingly gives them weightage while calculating their Term-Work.	1. Term-Work evaluation can be done more effectively. 2. The latest trends/topics can be collated to arrange/ conduct Seminars or Sessions for further improvement of knowledge among the peer-groups.
12.	Enhancing activities (Seminars, Crash Courses, etc…) those are conducted By and for the students.	1. To increase the involvement of the students. 2. 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

Faculty deploying these practices is required to measure the outcome of these new quality initiatives through feedback by students.

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