**IMPROVEMENT REPORT**

1. PROJECT-BASED-LEARNING - One of the benefits of project-based learning is that the real-world nature of these experiences may help students understand important engineering concepts from both a theoretical and a practice nature. For example, if there python language in our syllabus (5th semester) teacher should ask for practical knowledge as project from students.
2. Connection between Academia and Industry - Theoretical standards should be practically performed in industrial environments such that students can enjoy their studies.
3. Interactive Learning Environment – Being a gen z born and living in the modern era of gadgets its not easy for us to tolerate problems with old solutions. We are bored of old strategy of education and need some innovation in our studies (such as, want to know practical aspect of every subject in an interactive way).
4. Coding Clubs and Societies – The most crucial thing with student in our college is that they are not aware of new technologies and new strategy , they only know the subjective knowledge provided by the college. To encourage them to learn more and do more student communities such as Coding Clubs and Coding Societies should be created
5. Internal Hackathons – We can gather the technical requirements which might required for well being of our college (ex- lots of professors are facing problem from students who are bunking classes. So for that, create an app to monitor student’s attendance), we can make list of such requirements and put them as a problem statement for internal hackathon in our college.
6. Student Report – there should be student’s overall report which consist of attendance history, performance on the basis of project submission/assignment submission, skills, certificates earned, involvement in extra curriculum activities, volunteer and etc. and analyse the overall report to rank that student and make him/her eligible for any kind of academic award.
7. Internship Awareness – Encourage students to connect to organizations like Internshala, LinkedIn and make students aware about internship at local areas.
8. Mock Interviews – Mock Interview sessions should be conducted periodically it will build confidence among students. Students should be trained by professionals so that they can know what kind of questions is to be ask in their future interviews and how to face the interviewer.
9. Organize events so that students can overcome from boredom – One of the biggest reasons why student bunks because they got bore due to regular classes and strict routine classes without any kind of break or refreshment. Student event organisers should be assigned to take responsibility for organizing cultural or any kind of fest or event.

Here is a list of problems along with their solutions that student are facing in college and want changes in college activities:

Problem:

1. Less food and refreshment resources within the institute.

2. School like environment in the campus in place of college experience.

3. Weak mobile network in the institute.

4. Rarely any major extra-curricular activities are organized in the institute.

5. No proper usage of resource (like auditorium, basketball court, primary sports ground, etc) available in the institute.

Solutions

1. Multiple number of food stalls and canteens should be introduced to eliminate monopoly.

2. Students should be treated as adults and not like school kids.

3. Average wi-fi facilities should be provide within the institute.

4. Major events like college fest, freshers, farewells should be organized on large scale to increase publicity in Bhopal.

5. Auditorium should be used in place of seminar hall for events, sports ground and basketball court can be used for sports and games.

Problem\*

The students of our batch are generally not at all interested in college and make their presence in the classroom. Reason is that there are no extra curricular activities involved with the studies. Regular classes may exhaust the student's brain.

Solution\*

Some extra-curricular activities must be included.

Problem\*

The college is getting boring day by day. Because there is only regular classes. students are getting frustrated with as usual daily routine classes.

Solution\*

There are some clubs and societies already exist but there are not active. Need to activate these clubs and societies to organise some cultural, sports, brainstorming activity, technical activity in the college to make college interesting for the students which may also help students to know their capabilities and qualities.

College functions and activities are memory for life by the student the enjoyment and learning everything is important. We want classes but also some activities for the refreshment .

Problem\*

Making of projects while learning of any language

Solution\*

Like trainings project should be made while learning so that each can have idea of practicle of that language. This also increases interest in the learning process

Problem\*

Why our college works on old curriculum based method of learning like giving assignment, and not organising knowledge camps for the students and why we always focus on coding related stuff and not focusing on the ideas of each and every and why we always force them to make it big why can't we settle with the grounds and allow them to do what they want with their creative minds.

Solution\*

For me we should remove the culture of assignment based method of learning we can used research based and allow to research on the topics of what they want so that other students also get the knowledge. We should allow the seniors to teach or to learn from junior it will enhance the relationship between the students and also increase the volunteer environment . We should arrange the bootcamps for the students also related to their soft skills and enhance their confidence

Problem\*

Due to back to back classes students loose their concentration and interest in studies .

Solution\*

There must be atleast one library period every day.

Problem\*

Truba group not organizing any creative and a big acadmic program.

Solution\*

Please conduct a big crative program (Like- youthfest 2k20)(sunburn program, google quiz)

Problem\*

We all spent the major time of our day in college which is supposed to be most productive time but this is not the case. We are totally dependent on the faculties for our studies as we get very exhausted after college for self study. Data structures -- we are only mugging up the algorithms but not practicing the actual coding problem, I tried it by myself but there is a pool of all types of problems, I don't know which problem is meant for me , I end up doing nothing. DCS - I saw the previous year paper and even after attainding alll the classes I got puzzled like how to answer this problem. Discrete maths -- I have to study all the concepts by myself as the faculty is not able to explain it. This lecture is a absolute waste of time for me. Java - problem hi problem h

Solution\*

Data structures - assignment should be given everyday on the topic taught in the class, so we can practice, This way we will look for the solution not the question itself. We really need a good technical trainer. Students should be divided in group according to their technical skill, language should be conducted everyday atleast for 1 lecture.

REMARKS

* College have resources but its not using that resources such as for large scale sessions such as we can use auditorium for some events instead of seminar hall as it feels very suffocated between many peoples in a small area.
* Student can work as a fellow under a teacher who is doing research or interested in research field (or we can make mandatory for teachers and students for the research), after all if the research goes on success our college will rank on high.
* Some of the concepts should include Architectural Design, Design Patterns, Software Evolution, Service Oriented Architecture, Project Management & Risk Analysis, Structured Programming, Manpower Management, etc.
* Make lectures interesting through visuals, stories, and language that connects with students to get them interested in the class.