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Department of Mathematics

Best Practices

Best Practice No. 01

1. Title of the Practice:

Use of Mathematical Software to develop teaching material and PPT Enabled lectures.

2. Goal

ICT enabled teaching has emerged as an important technological innovations since the last two decades. Since ICT makes teaching easier, student friendly, contently and interesting, we established 10 audio-visual classrooms in the last five years.

The specific goals are:

- ★ To inculcate in the faculty the technological competence to strengthen teaching learning.
- ★ To make teaching and learning interdisciplinary by tapping resources available on internet.
- ★ To make optimum use of the ICT facility in classroom practices.

3. The Context

- ★ It makes the classroom more and more responsive because it gives both audio and visual effect. Many terms, topics and issues are made conceptual

and concrete by linking to video clips, audio clips, pictures, episodes, textual excerpts etc.

- ★ It makes the teachers the facilitator in true sense. As he proceeds from slide to slide, he inspires the pupils to read, think and respond immediately.

Thus, the teacher becomes a true facilitator.

- ★ Student understanding is enhanced because they comprehend whatever is taught. This also improves the quality of answers they provide orally and in written.

4. The Practice

The college made mandatory for each teacher to deliver at minimum 05 lectures by preparing PPTs in an academic year. The Department also made mandatory for each teacher to deliver at minimum 50% lectures by preparing PPTs in an academic year.

5. Difficulties encountered

- ★ The ICT support at home is not available to continuously engage the students in activities
- ★ Since there are frequent power cuts, ICT related activities couldn't be conducted regularly.
- ★ Additional computers need to be procured.

6. Evidence of Success

- ★ The students learn a very comfortable and relax atmosphere. There is no unwillingness to learn. They need not write down anything as in the traditional classroom because the file is available to them after the class is over.

- ★ Student participation increased substantially. As a result, absentees decreased. A better and cordial relationship developed between the teacher and students.
- ★ Communicative Competence of the students improved drastically because on viewing the PPTS, Video clips they naturally feel to react on the issues.