

BEST PRACTICE-1

1. Title of the Practice:

Qualitative improvement of students performance through material (ICT and otherwise)

2. Objective:

- To improve results by providing material
- To reach out to students and improve their performance in examinations.
- To involve students in the preparation of materials.

3. The Context:

The college has 3500 odd students both in UG and PG courses. It was found out that some students have been lagging in certain subjects and hence cannot perform well in terms of grades in their end semester examinations. This is in spite of their possessing good command over the mentioned subjects.

4. The Practice:

To solve the above-mentioned issue and to improve their results, the subject teachers have utilised the COVID-19 time to reach out to them by uploading their video recorded lessons onto the You Tube and opening their You Tube channels dedicated to the syllabus only. The teachers formed WhatsApp groups and regularly posted their material including PPTs, reference material and other relevant video content. Students were constantly consulted if they could decipher the core of the content of the respective lessons. Their feedback formed context for improvement. This resulted in good performance of students in the ensuing examinations. The library services were also extracted. The department of the library science has supported this endeavour by

constantly posting reference material into the WhatsApp groups.

5.Evidence of Success:

Faculty members utilized various ICT tools to design Audio/Video teaching modules and uploaded them on their respective You-tube channels. More than 600 academic videos in various subjects were prepared and uploaded. In the year 2020-21 there is an increase in the percentage of results in all semesters.

6. Problems Encountered and Resources Required:

Since most of the students belong to financially not so well strata, reaching out to them was a problem initially. Students were motivated to purchase smart phones. This took some sensitization in the beginning. Some of the teaching staff had to hone their ICT skills to meet the requirement. This was done through peer learning.

7. Responsible:

All the faculty including faculty of the department of library

BEST PRACTICE-2

1. Title of the Practice:

Improvement in research output of students by employing collaborative and myriad activities

2. Objectives:

- To encourage students to opt for quality research project.
- To motivate students in presenting and publishing their research outcomes.
- To increase research output by MoUs and collaborations.
- To motivate students to utilize laboratories, library and other resources of the college for research prospective.

3. The Context:

Though the students of the college have been performing well in assignments and group projects, it was understood that they were unable to publish their findings in research papers. A few students needed to be encouraged to present their findings on various platforms.

4. The Practice:

Against the backdrop of the context mentioned above, a few students in various subjects were selected and encouraged to choose a few topics of their interest in the subject of their choice. This was for their students' study projects. They were given two to four months of time right from selection of the topic till its presentation. A group of students was allotted to a teacher of their choice. Their work was constantly monitored and guided wherever needed.

The team of the students was encouraged to embrace failure and learn from it. They were given access to library and the e-resources of the library also including INFLIBNET. The department of chemistry encouraged its students to visit and learn from the research institute with which it had MoUs, viz. Ciencia Life Sci. and Qstatics Pvt.Ltd.

5. Evidence of Success:

The college has been garnering prizes in Jignasa Student Study projects for the past years in the following subjects. FIVE teams Selected for the "State Level JIGNASA student Research projects" and among them FOUR teams were awarded state level prizes. In Chemistry the research project titled "Antimicrobial Silver Nanoparticle Coating On Paper Currency Notes And Mobile Phones Using Eco-Friendly TollensProcess For Prevention Of Infectious Diseases was won state level second prize and this research work was also presented at at One day National seminar on Recent Advances in Chemicals science(NSRACS)-2020 on 1st February 2020 at Girraj Govt. College, Nizamabad and secured First prize in both Paper and Poster Presentations by esteemed judges. In Economics the project titled "Impact of government new initiatives on farmer suicides in telangana state" awarded state level second prize. In History the project titled "Science and technology in 18th century India-A case study of Tipu's Rocket warfare" was awarded state level third prize. Similarly, In English the project titled "Role of Neologism in expanding a language's horizon with reference to English language was awarded state level third prize. A. Bhanuprakash of BSc-III(Chemistry), secured National level Second prize in poster presentation at National Technofest, ANTAHPRAGNYA conducted by RGUKT, Basara on 01.02.2020.

6. Problems Encountered and Resources Required

- Initially the students were to be encouraged to opt for students' study projects.
- Language was the problem for a few students.
- Time was the constraint for few students.

7. Responsible:

Faculty of all the departments including library.