



BEST PRACTICES



2016-17



GOVERNMENT COLLEGE KARIAVATTOM
INSTITUTIONAL BEST PRACTICES (2016-17)

BEST PRACTICE-1

1. Title

Creation of Blood Group Data Bank of students.

2. Objective

To create an awareness among students about the importance of knowing their blood group and to help others through blood donation. Effortless identification of students having a specific blood group in demand is possible using the available blood group data bank.

3. Context

Blood is an essential component of our body and knowing a person's blood group is very important in case of an emergency situation requiring blood transfusion. Transfusions between non-matching blood groups can create crisis hence utmost importance must be given in knowing the blood group of donors and recipients.

4. Practice

Blood grouping was done using blood group test kit. The ABO and Rh blood grouping system is based on agglutination reaction. When red blood cells carrying one or both the antigens are exposed to the corresponding antibodies, they interact with each other to form visible agglutination or clumping. This practice will create an awareness among the students about the importance of receiving appropriate donor blood during an emergency, to help the society through blood donations, to know whether his/ her blood group is common or rare and to understand about Rh factor incompatibility during pregnancy.

5. Evidence of Success

Students voluntarily participate in blood donation whenever a necessity or case of emergency arises both inside and outside the institution.

6. Problems Encountered and Resources Required

Limitations encountered during the process are unavailability of rare antiserum and lack of resources to accommodate large number of samples.

BEST PRACTICE-2

1. Title

Orientation and awareness for MSc entrance examination

2. Objective

To help the students secure good marks in the final examination and also to help them to qualify the entrance examinations for PG.

3. Context

Most of the students are from economically poor background. They may not be equipped with necessary books or resources for preparing for entrance examination. In this context the faculties of the department help them to qualify the examination by providing necessary classes, instructions and textbooks or study materials

4. Practice

Students after regular class hours are encouraged to stay back and given classes in important areas by all teachers of the department

5. Evidence of Success

Many students got enrolled in different universities/higher educational institutions for PG courses

6. Problems Encountered and Resources Required

The working hours need to be adjusted accordingly to the availability of resources in the institutes

BEST PRACTICE-3

1. Title

Support for first year students through bridge course. (Department of Computer Science)

2. Objective

The Eligibility of the BSc Computer Science program includes Mathematics as one of the subjects in their higher secondary course. Though most of the students have studied Computer Science in their school, a few students will be admitted each year who have not studied Computer Science as one of their papers in 12th standard, since it is not mandatory. These students find it difficult to cope up with Logic development and Programming skills in the beginning of their degree. The Bridge course plays a vital role to bridge the gap caused and to help students by giving special attention to them by taking extra hours in logic development and the covering the basics of the programming language paper included in First Semester.

3. Context

Students with non-CS background are identified for the course. The main challenges faced are:

1. They should not feel they are poor in logic development
2. Time for the course need to be identified, since this can be done only during extra hours.

Both these were tackled by giving classes by the concerned teachers during lab hours by giving extra concentration on those students. Since all students are there in the lab, these students will not feel down. Classes were handled during free hours too. The progress of these students was assessed by giving home assignments and asking them to solve new problems each day.

4. Practice

The following advantages of the course make it unique.

1. It is Fast – done during the first semester of the student
2. Easy to understand – Handled by their own teachers and explanation to the students' level.
3. Flexible – no fixed timing, can be changed based on convenience of the attendees.

5. Evidence of Success

The university results of students for programming paper in first semester

6. Problems Encountered and Resources Required

Resources required- books and computers. The books in the library and computers in the computer lab were utilise for the course.