

## A STUDY OF PROBLEMS OF POLYTECHNIC STUDENTS

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### Abstract

*Main objective of this study was to know the problems of polytechnic students related to physical facilities, library, laboratories and teaching learning process. Two self finance and one granted polytechnic college were selected by simple random sampling technique. Apart from this three principal, 49 lecturers and 375 students were selected by random sampling technique. The Researcher has selected questionnaires, opinionnaires and interview as a tool for data collection from the selected sample. Collected data was analyzed by percentages and chi-square test. From findings of the study, it was found that over all facilities in polytechnic colleges were partially well maintained, It was easy to obtained learning materials from library. Textbooks and subject oriented books were available in English as well as Gujarati language. College labs need to be fulfilled with new equipments and instruments for each student. There is need of change in teaching way or style, and most of the students are facing communication problem during Instructional Process.*

**Key words :** polytechnic, sampling technique, Instructional Process etc.

All the challenges, which students are facing locally and internationally, are due to lack of proper governance and management practice. In the engineering course system, engineering education placed the primary function, although there has different learning contents and major problems among engineering students. It was aiming at the engineering education to do the evaluation and guidance to students. For college students, there's not only need to learn the basic knowledge but applying knowledge into practice.

In this research the researcher wants to know that what types of problems facing by the students related to physical facilities, library, problems in laboratories and problems during teaching learning process of the polytechnic students.

**Statement of the problem :** A STUDY OF PROBLEMS OF POLYTECHNIC STUDENTS

**Objectives of Study :** The researcher has conducted the research on the basis of research objectives which are as follows.

To know the infrastructural problems of polytechnic colleges form students.

To know the library problems of polytechnic colleges from students.

To know the laboratories problems of polytechnic colleges from students.

To know the Teaching learning problems of polytechnic colleges from students.

To know the infrastructural problems of polytechnic colleges form teachers.

To know the library problems of polytechnic colleges from teachers.

To identify the laboratories problems of polytechnic colleges from teachers.

To know the Teaching learning problems of polytechnic colleges from students.

**Population and Sample :** In this study, the Researcher wants to know about the problems of polytechnic college students. The researcher had taken 3 colleges into consideration by simple random sampling. From these colleges have different branches like Civil, I.T., Mechanical, Electrical, Automobile and Metallurgy Engineering etc. Students of all above branches were population of this study.

In this study Researcher has taken 20 students from each branch of each college were selected by random sampling technique. Total three principal, 49 lecturers and 375 students becomes the sample of the study.

**Research Method :** The research method refers to over all strategy that you choose to integrate the different components of the study in a logical way, thereby ensuring you will effectively address the research problem. For this study, Researcher was selected a survey method. Survey allows researcher to collect a large amount of data in relatively short period of time.

**Research Tools :** In this research, researcher was used three tools for data collection, which were mentioned below :

(i) Questionnaire (ii) Opinionnaires (iii) Interview

**Statistical Analysis :** In this study, the data obtained from the sample by questionnaire and opinionnaire were analyzed by percentages and chi-square respectively and open ended questions was analyzed by qualitative analysis.

### Major Findings of Research

In context of physical facilities, it was found that over all facilities were partially well maintained, class was not facing ventilation problem, and blackboard location was also comfortable, seating arrangement was also good, enough no. of tube lights in classrooms. A class needs furniture and benches to be well furnished and college composes were not found enough clean.

In context of library facilities, it was easy to obtained learning

materials from library. Textbooks and subject oriented reference books were available in the library. Students were facing problems with rules of library and getting extra time for library.

In context of laboratories facilities, it was found that college was having computer labs for teaching practical work was properly done. College labs need to be fulfilled with new equipments and instruments for each student.

In context of teaching learning method, College provides enough learning material to the students during exam time. Also it was found that there was need of change in teaching way or teaching style, and most of the students were facing communication problem.

In context of physical facilities, it was found that over all facilities were well maintained at college, teachers were not satisfied with cleanliness of college.

In context of library facilities, it was found that it was easy to obtain learning materials from library. They were satisfied with rules of library and reference books were also available.

In context of laboratories facilities, it was found that Labs were well equipped but there were no personal computers for teachers.

In context of teaching learning method, it was found that teachers were not facing communication problems and they were having enough teaching material at college.

**Epilogue :** The ultimate goal of any educational research is to make education fit to the recipients. The present research found that students are facing problems in college due to lack of facilities which are neglected but it should not be taken into consideration, which should not act as a hurdle in process of teaching learning method. Hence, the present research is an eye opener and torch bearer too Teachers, Educations, Planners to notice that it would give a best to the nations.

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