

ABSTRACT

The application of Information Technology (IT) in engineering institutions in two Districts namely Madurai and Dindigul in the state Tamil Nadu are analyzed in this research. Information and Communication Technology (ICT) can be outlined as: planning and facilitating the usage of computers and verbal exchange that it helps instructing, learning and series of other movements in education in specific methods.

The present study intended to analyse the application of Information and Communication Technology in engineering colleges. Since ICT is used in colleges, the relevance of it in the present digital era is very important. The all-time objectives of the information are the collection, processing, organization, storage and dissemination of right information to the right user at the right time. The main technologies involved in ICT are computers technology as well as communication technology. In the present study, it has been decided to include fifteen engineering colleges in Dindigul and Madurai Districts as research areas. The samples (students, staff and faculties) are selected from Dindigul and Madurai Districts. For identifying and selecting the students, staff and faculties cluster sampling has been used. For calculating the sample size the various details about students, staff (office and technical) and faculties from 15 engineering colleges in Dindigul and Madurai Districts have been collected.

Students and faculties are using computers, laptops and other IT tools in colleges, as well as in their home. Apart from net, respondents are using Wi-Fi facilities in colleges. The ICT facilities in the engineering colleges in Madurai District are found to have an edge over engineering colleges in Dindigul. All the engineering colleges in the study area are published e-brochure in their college website, criteria for admission, rank list of students to facilitate the students. Faculties can post documents, e-books, study materials and quizzes on Google groups, WhatsApp and so on. All the engineering colleges in the study area are using online payment system for students to pay their fees, and salaries to the employees through banks.

The achievements in e-resources related with higher education can be effectively utilized in the colleges through suitable net facilities. In the rural areas, e-resources and —e-infrastructure| may increase the skills set of the students, staff and faculties. The two Districts (Madurai and Dindigul) have excellent potential for bringing in ICT-led information technology in a good manner, and enhance to achieve the digital media for the betterment in the college education.