ABSTRACT

This research study examined the use of INDEST E-Resources by the faculty of selected top seven Indian Institutes of Technology (IITs). The study was restricted to the sample of faculty members that is Professors, Associate Professors and Assistant Professors. The personal characteristics chosen for inclusion in the study were IITs, age, gender, designation and computer literacy of the respondents.

The research work presented in six chapters they are Chapter I: Introduction, Chapter II: Review of Literature, Chapter III: Methodology, Objectives and Hypotheses, Chapter IV: Profile of Indian Institutes of Technology, Chapter V: Analysis and interpretation of Data, Chapter VI: Summary and Conclusion. At the end bibliographical references along with appendices are enlisted.

The total population of all the seven IIT’s was 2938. The questionnaires distributed to all the faculty members and response received was 411. The data indicates that IIT Kharagpur, population was 466; the response received was 46. From the population of 468 at IIT, Bombay and response received was 102. The population of IIT Madras, 440; and response received were 87. The population of IIT Kanpur, 354; and response received was 36, while at IIT Delhi, 570; questionnaires were distributed to 150; and response received was 36. The population of IIT Guwahati, 269 and response received was 70, IIT Roorkee, faculty strength was 404 and the response received was 34. The population included both male and female respondents.

The collected data has been analyzed with the help of statistical package for social sciences (SPSS version 18.0). Factor analysis was carried out by using SPSS. Other popular Statistical methods like percentage analysis and Chi-Square test, Correlation, Regression and ANOVA were used in this research for better analyzing purpose.

Major findings of the study includes: Majority of responses are from IIT Bombay and IIT Madras; the majority (84.7%) of the respondents are Male; users in the age group of 36 and 45 years are the highest (40%); highest percentages of respondents are Professors (42.2%); majority 263 respondents that are 64% faculty have good computer literacy; (248; 60.3%) of the respondents became aware of INDEST E-Resources from Library professional staff; all IIT Faculty access and use
INDEST E-Resources (411; 100%); majority of the respondent’s access and use INDEST E-Resources (293; 71%) from Department; most of the respondents (270; 65.8%) are using INDEST E-Resources from ‘more than 4 years; 144 (35.1%) spend more than 4 hours in a week; 224; 54.6% Faculty members express that important journals are not available in INDEST-AICTE consortia.

Most of the respondents 350(85.2%) use PDF format to download INDEST E-Resources; majority that is 341 (82.9%) use full text in INDEST E-Resources; (46.6%) that is 192 IIT Faculty use Author to search in INDEST E-Resources; research with a highest mean value of 4.77 with a corresponding Standard Deviation is 0.52. Full text retrieval has the highest mean value of 4.44 and the Standard Deviation is 0.76; desktop availability has the highest mean value of 4.29 and Standard Deviation is 0.98; Importance of INDEST E-Resources ‘Do you think that the information content of INDEST E-Resources is useful’ has a highest mean value of 4.58 and the Standard Deviation is 0.74; read electronic has the highest mean value of 4.20 and the SD is 0.89; highest mean value is for ‘Infrastructure available to Access INDEST E-Resources’ 4.15 and the Standard Deviation are 0.9. ‘Required INDEST E-Resources subscribed by the library’ has a mean value of 4.01 and the Standard Deviation is 0.98. Majority of respondents 359 (87.2%) expressed that they are not facing any problem; most of the respondents 409 (99.0%) expressed that they recommend to use INDEST E-Resources to others; most of the respondents 323 (78.0%) expressed that they don’t want any training to use INDEST E-Resources.

Among the recommendations are: Librarians must take opinion/recommendations from users to provide all important resources; make a panel of subject experts to subscribe INDEST E-Resources to the consortium; librarians should provide printed instructions about INDEST E-Resources to the members of the library; librarians must put more efforts to subscribe required INDEST E-Resources as per user demands.