Effect of Biometric System as an Integration of Technology on Classroom Management

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Abstract:
Biometrics, an advance technology designed for automated recognition of humans using physiological or behavioral characteristics, is much used in classroom. This research aimed at studying the students' awareness of Biometric technology system. It even focused on knowing the effect of awareness towards biometric technology system on its application. In the present study 40 postgraduate students and 50 students of professional courses from Gujarat University randomly were chosen from the faculties where Biometric technology system was used. Four-phase process was carried out. Self-made tools i.e. Biometric Technology Questionnaire and Biometric Technological System Inventory were used to procure data related to awareness of Biometric Technology System and application of Biometric Technology, respectively. The findings revealed low awareness of physical features and working nature of Biometric Technological system. Yet the awareness of biometric technological system did not have any effect on its usage.

Keywords: *Biometric technology, Biometric system*

1. Introduction
Classroom Management is the act of managing the ensure avoidance of stressful and non educational situations so that students learn topics and subjects effectively. Classroom management ensures that students are provided with the correct educational tools and a calm environment in which to learn.

Therefore the study on implementation of biometric system in a technology- based attendance system can support recent movements in enhancing student attendance and improving performance outcomes. Thereby Biometric technology is a means for classroom management for students and the study on integrating this type of technology significantly can influence strategy-based research on individual and group student attendance in university classrooms. A technology-based attendance based on biometric system can introduce a competitive environment among students' of different subject classrooms. As such, the investigators chose to work on this theme.

2. Define of Key Words
Biometric Technology is a device used to measure and analyze personal characteristics, both physiological and behavioral. Biometric system involves innovative advanced facial, fingerprint and rapid solutions used in access control and time and attendance applications.

3. Objectives
The objectives of the study were as follows:
1. To study the awareness of biometric system among graduate students and post graduate students of B.Ed. Course.

2. To study the applicability of biometric system among graduate students and post graduate students of B.Ed. Course.
3. To compare the awareness of biometric technology system among graduate students and post graduate students of B.Ed. Course.

4. Hypotheses
The hypotheses of the present study are given below.

Ho_1: There will be no awareness of biometric technological system among graduate students and post graduate students of B.Ed. Course.

Ho_2: There will be no applicability of biometric technological system among graduate students and post graduate students of B.Ed. Course.

Ho_3: The awareness of biometric technological system among graduate students and post graduate students of B.Ed. Course.

5. Methodology
"Effect of Biometric System as an Integration of Technology on Classroom Management" was conducted in four phases. In the first phase, Biometric Technological System and its components were studied Book, journal and Internet and through various sources other than Biometric System Physical features and its operation were explored.

In the second phase, information related to Biometric system faculties operating Biometric system was distinguished. Thereafter, the students of graduate students and postgraduate students of B.Ed. course were selected.

In the third phase the required tools for the study were constructed. Primarily Biometric Awareness Questionnaire was designed according to the components of Biometric system and its functioning.

The fourth phase included implementation of tool discipline wise, its collection and data analysis.

6. Tool
The variables to be assessed in this study were Awareness and Functioning of Biometric System and classroom Management. For assessing these variables self prepared tools Biometric Awareness Questionnaire and Biometric Technological System Inventory were designed.

7. Data Analysis
In the present study, for analyzing the data, the following statistical techniques were used.
- The awareness of working of Biometric Technological among graduate students and postgraduate students of B.Ed. course was analyzed through M.S.D. and C.V.
- The Applicability of Biometric Technological System among graduate students and postgraduate students of B.ED. Course was analyzed through M.S.D. and C.V.
- The Mean score of awareness of Biometric System amongst graduate students and postgraduate students belonging to B.Ed. course students were analyzed through correlated t-test.

8. Findings
Biometric technology system was known to students of B.Ed. courses and graduate students and postgraduate students.
1. Graduate students and postgraduate students as well as students of B.Ed. course were not much aware of the physical feature or the working nature of the biometric technological system.
2. The students of B.Ed. courses as well as graduate students and postgraduate students were well-versed in the applicability of biometric technology system.

9. Conclusion

The present study was conducted to know the 'Effect of Biometric System as an Integration of Technology on Classroom Management' In recent year such technology has gained wide recognition and academic acceptance. Therefore this study has wide implications for teachers, students and administrators. The study also contributes to the direction of administrators providing awareness and applicability of biometric system. Thereby the administration can induce awareness of biometric system in their institutions/organizations for maintenance of the technology to benefit the members, which will help in the strengthening of the management.

References

1. Bauer, J. S. & Kenton, J. (2005). Toward Technology integration in the schools: Why it is not happening Journal of Technology and Teacher Education, 13(4), 519-540
2. Bhattacharya, Debnath, Ratulranjan (2009). Biometric Authentication A review, Heritage Institute of technology Kolkata, India. International Journal u-and eservice, science and technology, vol.2, no.3, Sep.2009.
3. Carolyn, M. Evert son, S. Carol S. Weinstein. (2006). Handbook of classroom management Lawrence Erbium Associates, New Delhi, India.