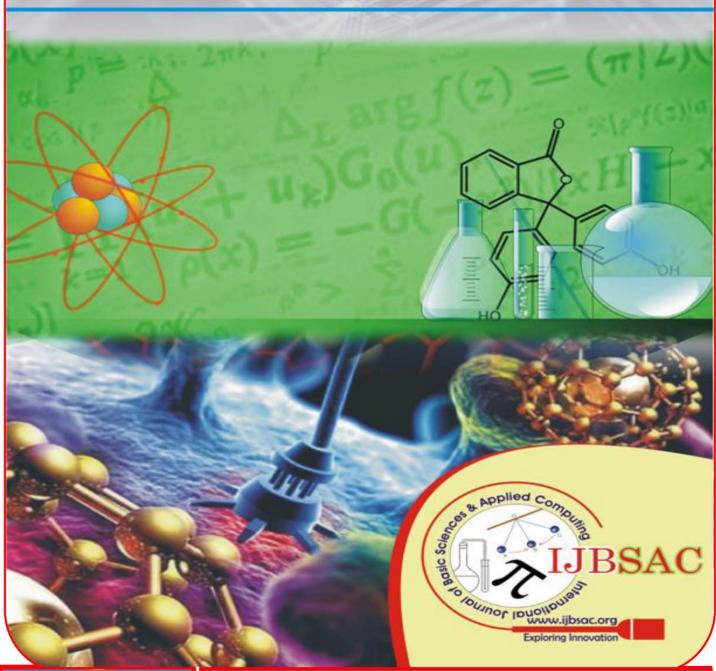
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Paper Title:	The Role of MIS in The Banking System in Albania
systems possess obtain appropri information system management. Be management in making.2.To assessors of disust Information System in Albart Collected data was well want to specificient information for the action of the system in Albart Evaluate the in management information making get data from district the decision making get data from district the management information of the management in making a collected data was a supplied to the management in making. The management in making a collected data was a collected	adays, data information is the most important element that financial and banking less. It is difficult to take good decisions without information. Also it is not possible to ate information without adequate information systems. The basic concept of an tem is to provide accurate and relevant information at the proper time at all levels of anking system in Albania has given a great importance to the implementation of anking systems. The purpose of this study is: 1.To identify usage level of aformation systems in commercial banks in Albania, for planning and decision sess the use of the functions offered by these information systems and to identify the se or dysfunction of these systems. This study aims to define the role of Management atem in banking system in Albania. The first phase of this study was the distribution of in commercial banks in Albania, by evaluating the current situation of MIS. The area analyzed to identify the usage level of MIS in commercial banks in Albania. Also being what actions should be taken in order to implement a MIS system that can provide action in base of the environment requirements and support the decision-making process. Every goal, we have been focused in some aspects: 1. Is MIS implemented in banking that a comportance of MIS in decision-making process. As result, we can specify and that formation systems have an important role in obtaining good information for an efficient grocess. MIS is used to create reports for specific needs (financial and treasury) which a fferent sources and different files, eliminating manual work and so many human errors de if these reports are manually processed. Voluminous data cannot be managed as ion for the reporting process without MIS. Assuring qualitative and quantitative data proper timely information helps managers in decision-making.  Alking System, Commercial Bank, MIS (Management Information Systems (MIS) In Decision Making In the prian Universities, Educational Research and Review, Vol. 2, No. 5, pp. 109-116.

- Akram Jalal Karim "The significance of Management Information Systems for enhancing strategic and tactical planning". JISTEM J.Inf.Syst. Technol. Manag. (Online) Vol. 8, No. 2, 2011, p. 459-470. ISSN online: 1807-1775.
- Baskerville, R.L. and Myers, M.D., (2002), Information systems as a reference discipline. MIS Quarterly, 26(1), 1-14.
- G.Satyanarayana Reddy (2009). Management information system to help managers for providing decision making in an organization. International Journal of Reviews in Computing, ISSN: 2076-3328.
- Kozak S. (2005). The role of information technology in the profit and cost efficiency improvements of the banking sector. February 2005, Journal of Academy of Business and Economics.
- Laudon, Kenneth C.; Laudon, Jane P. (2009). Management Information Systems: Managing the Digital Firm (11 ed.).
- Lucey, T. (1997) "Management Information Systems. London.
  Lucey, T. (2004) "Management Information Systems", Cengage Learning.
- Lucey, T. (2005): Management Information Systems. London: Book Power.
- O'Brien, J (1999). Management Information Systems Managing Information Technology in the Internetworked Enterprise. Boston: Irwin McGraw-Hill.
- Pride, WM, Hughes, RJ & Kapoor, JR, 2009, Business, Cengage Learning
- 12. Ralph M. Stair, George Reynolds, George W. Reynolds. (2009). Principle of Information Systems.
- Daft. RL, Murphy, J & Willmott, H, 2010, Organisation Theory and Design, Cengage Learning 13.
- Rimvydas Skyrius (2013). The Development of Management Information Needs. International Journal of Artificial 14. Intelligence and Interactive Multimedia, Vol. 2, Nº 3.