

An Implementation Framework for Student Result Processing System

Adinarayana Salina¹, P. Maher Swaroop², P. Rupa Vathi³, P. Durga Prasad⁴, T. Sri Lakshmi⁵

Professor, Department of Computer Science and Engineering¹

Students, Department of Computer Science and Engineering^{2,3,4,5}

Raghu Institute of Technology, Visakhapatnam, A.P. India

Abstract: *Result Processing System forms the key activities in the life span of a student. The demand for effective and efficient result computation and output presents the need to automate existing manual result processing systems. The digitized process provides capabilities such as a centralized repository for storage, management and dissemination of result information to those concerned. This project will enhance the college's existing system of publishing results by providing students with easy and quick access to their results. This paper presents a case study on analyzing academic performance of students at the end of a university degree at an early stage of the degree program, in order to help universities not only to focus more on bright students but also to initially identify students with low academic achievement and find ways to support them. The results show that it is possible to analyze the graduation performance in 4th year at university using only pre-university marks and marks of 1st and 2nd year courses, no socio-economic or demographic features, with reasonable accuracy. The system is unique in that it can be adopted and adapted to suit the result processing.*

Keywords: Data backup and recovery, svelte technology, firebase database, web servers

REFERENCES

- [1]. ANIGBOGU, S. O., (2000). COMPUTER APPLICATION AND OPERATION, (1ST ED, VOL. 1, NO. 2, PP 30). AWKA: OPTIMUM PRESS.
- [2]. Oyeyinka, I.K. & Oladipo, O. (2015). Development of Multi-Modal Result Processing Software for Tertiary Institution, Communications on Applied Electronics (CAE), Foundation of Computer Science (FCS), New York, USA Volume 1 (5)
- [3]. Emmanuel, B. & Choji, D. N., (2012). A software Application for Colleges of Education Students Results Processing. Journal of Information Engineering and Applications. Vol 2, No. 11.
- [4]. Obinyi, A. A. & Ezugwu, E. A. (2010). Design and Implementation of Students' Information System for tertiary
- [5]. Institutions using neural networks: An Open Source Approach, International Journal of Green Computing, 1(1).
- [6]. Mohini, B. & Amar, J. S. (2011). Mode of processing result system. Himachal Pradesh University Journal. Pg 123.
- [7]. Okonigene, R. E., Igalo, G. L. & Ogbeifun, E. (2009). Developed Personal Record Software. The Pacific Journal of Science and Technology, 9(2):407-412.
- [8]. Eludire A. A., (2011). The Design and Implementation of Student Academic Record Management System. Research Journal of Applied Sciences, Engineering and Technology, Vol.3, No.8, Pp.707-712.
- [9]. Orobor, A. I., (2015), "A Novel Framework for Student Result Computation as a Cloud Computing Service",
- [10]. American Journal of Systems and Software, 2015, Vol. 3, No. 1
- [11]. Ukem, B. O. and Ofoegbu, F. A. (2012). "A Software Application for University Students Results Processing," Journal of Theoretical and Applied Information Technology.
- [12]. Nikam, S., & Jadhav, B. T. (2011). Design and Development of Result Tool for University and College Exam and its Performance Study. International Journal on Computer Science and Engineering,

- [13]. Darian-Smith, E., & McCarthy, P. (2017). The Global Turn. Oakland, CA: University of California Press.
- [14]. Dawson, C. (2015). Projects in Computing and Information Systems (3rd ed.). Harlow, England: Pearson
- [15]. Dennis, A., Wixom, B. H., & Tegarden, D. (2015). Systems Analysis and Design (5th ed.). Hoboken, NJ: Wiley Publishing.
- [16]. Hawthorne, M. J., & Perry, D. E. (2005, May). Software engineering education in the era of outsourcing, distributed development, and open source software: challenges and opportunities. In the International Conference on Software Engineering (pp. 166-185). Springer Berlin Heidelberg.