Students' Information Service through Data Mining and Cloud Computing Concept

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Abstract--- *This paper comes forward to explore the "Data Mining" with the great information viewing technique. The phrase "data mining" adjoins the "cloud computing" in order to succeed the need of the viewers' seek on students' information. When this paper is delivered, the main aim of the same would satisfy the parents or students or the both. The parents from the next corner of the world can identify or investigate the performance of their heirs from this corner. Using the cloud computing, information of the students is fetched accessing the main server of the college. The parents can list out whatever data they want about their heirs online and students as well. With the help of cloud computing, it welcomes the viewers' comfort ability experienced by the viewers in spite of they are far away from the persons whose datum are needed.*

Keywords--- *Cloud Computing, Data Base, Notification Service, Resulting and Performance Service*

I. INTRODUCTION

"Students' Information Service through Data mining and Cloud Computing Concept" helps the viewers to get the needed information of the students even from the farthest. The parents can collect their heirs' EXAM SCHEDULE, EXAM RESULTS, PERFORMANCE and FEES NOTIFICATION. The distance between the parents and the students is not at all a problem after the arrival of "Students information service through data mining and cloud computing concept", because the cloud computing is playing a main role. Viewing the students' information is not evasive but vivid here even to the students as the main server of the college is accessed through data mining.

II. DATA MINING CONCEPT

"Data mining" means that the knowledge from large amounts of data. Mining is a vivid term characterizing the process that finds a small set of precious nuggets from great deal of raw material. The data mining should be known "knowledge mining" as it is mining the particular data from a large mass as it happens in the "gold mining process". Data mining proceeds in the Figure-1 and following steps:

1. Data cleaning is to remove noisy and inconsistent data.
2. Data integration combines multiple data sources.
3. Data selection retrieves the data relevant to the analysis task from the database.
4. Data is transformed into forms appropriate for mining.
5. Data mining observes intelligent methods to extract data patterns.
6. Pattern evaluation works to identify the truly interesting patterns.
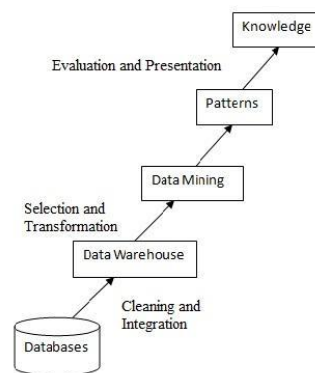7. Knowledge presentation presents the mined knowledge to user.

Figure-1

- *Cloud Computing Concept*

The "cloud computing" is just like computers scattered all around the viewers as they all work together for the user to fetch the required information. It connects various, uncountable databases from various parts of the world. When the command is proceeded, the command reaches the cloud computing and the cloud computing promptly works towards the requested database. This term "cloud computing" itself implies that it is a cloud-like and it works exactly as cloud from the highest spot on the world in order to watch the happenings whatever it may be. So, it is very easy to the users to see the cloud-like, that is, cloud computing to get their needed information. A single monitor can ponder the whole world only by the access of "cloud computing".

The needed information is transferred to the college server from the data base. As there is the vast information lake, "the cloud computing", the information transaction is made easier and the students or the parents get any data required, from it.

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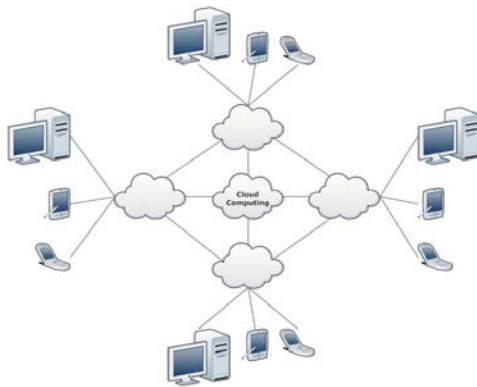
Figure-2

- *Cloud Service's Performance with Data Mining*

Student or parent, requiring information differs person to person. In that way, when a student commands, the command accesses the cloud computing and it reaches the college server in order to access the college data base. When it gets the reply, the student who commanded would get what he had requested for. Likewise, when a parent commands for information about their heirs, in the same way it works and he/she would get the data
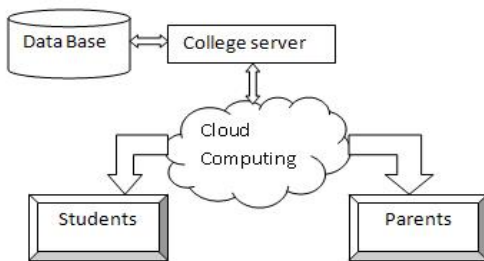
- *Student Performance Result*

The performance of the students should be shown to the parents. But, they would be even in the next corner of the world. In that case, there is nothing to complain about the connectivity between the parents and the information fetcher. At any time the parents can enquire about their children's performance at education.

- *Notification Service*

This service is an important one to deliver this paper a useful one because the notifications shown to the parents are about their children and whenever the information has to be transferred, it is done as soon as possible. The parents can get the important notifications such as fees allotment, exam date, and news from the college to the parents, student's details of performance in exams.

III. CONCLUSION

This paper, "Students' Information Service through Data mining and Cloud Computing Concept", is a boon to the both parent and student, which shows everything about the students to their parents even they both are in both corners of the world. This helps them at any time, any place. Willing to get the information of parent or student is enough to succeed. No one can deceive the parents who educate their heirs joining in colleges from alien countries.

IV. FUTURE WORK

This paper' future development is inevitable. The taste of the both the students and parents are changing day to day. Understanding their inner developing ideas it can change or add new imports such as SMS service, VOICE MAILS and MMS. When this paper is delivered or made known to parents and students, their responsibilities on their duties doubled. It leads to a smart education or maintenance. So, according to that the future experiments would work for this.

REFERENCES

[1] Jeffrey Voas and Jia Zhang, "Cloud Computing: New Wine or Just a New Bottle?", IEEE Internet Computing Magazine, 2009, Link: http://www.cmlab.csie.ntu.edu.tw/~jimmych ad/CN2011/Readings/CloudComputingNew Wine.pdf.
[2] Peter Mell, and Timothy Grance, "The NIST Definition of Cloud Computing", The National Institute of Standards and Technology, USA, 2011, Link: http://csrc.nist.gov/publications/nistpubs/80 0-145/SP800-145.pdf.
[3] IT Strategists, "Top Cloud Computing Companies and Key Features", Link: http://www.itstrategists.com/Top-Cloud-Co mputing-Companies.aspx.
[4] Merriam-Webster Dictionary, "Definition of data mining", Link: http://www.merriam-webster.com/dictionary /data%20mining.
[5] ORACLE, "Oracle Data Mining Mining Techniques and Algorithms", Link: http://www.oracle.com/technetwork/database/options/adv anced-analytics/odm/odm-techniques-algorithms-097163.html.
[6] Bhagyashree Ambulkar and Vaishali Borkar, "Data Mining in Cloud Computing", MPGI National Multi Conference 2012 (MPGINMC-2012), 7-8 April 2012, Link: http://research.ijcaonline.org/ncrtc/number6/ mpginmc1047.pdf.