Prediction of Study Track using Decision Tree and Aptitude Test

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 152
Number 8

Year of Publication: 2016

Authors:
Deepali Joshi

In order to succeed in the competitive environment it is essential to be successful in academics. The basic education is from 1st to 10th standard and once 10th standard is complete there are various courses that can be selected by the students such as Science, Commerce, Arts and Diploma. It becomes difficult to identify the suitable stream. The proposed system can be used to solve the problem. The proposed system implements two methods to generate solution. The Aptitude Test predicts the suitable stream depending upon the intellectual capability of the student. Apart from this prediction is done depending on the ssc marks obtained by the student. The combination of these two methods is also implemented to get more accurate results. The proposed system not only predicts the stream but also specifies the colleges for the predicted stream depending upon the location of student and also gives information about vocational courses that the student can pursue after 10th.

References


7. Qasem A. Al-Radaideh, Ahmad Al Ananbeh, and Emad M. Al-Shawakfa A “Classification Model For Predicting The Suitable Study Track For School Students”. IJRRAS 8 (2) August 2011

8. Sunita Beniwal, jitender Arora “Classification and Feature Selection Techniques in Data Mining”, IJERT AUGUST 2012


14. Dorina Kabakchieva, “Predicting Student Performance by Using Data Mining Methods for Classification", CYBERNETICS AND INFORMATION TECHNOLOGIES • Volume 13, No 1 , ISSN: 1311-9702; Online ISSN: 1314-4081


18. M.I. López, J.M Luna, C. Romero, S. Ventura, “Classification via clustering for predicting final marks based on student participation in forums”


Index Terms

Computer Science

Information Sciences

Keywords

Data Mining, C4.5, NBTree, ssc, ssc-marks, Precision, Recall, fMeasure