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Dear Readers, we introduce you the 6th issue of the JITA Journal.

Out of the submitted papers, reviewers have selected five papers that will be presented in this issue.

The paper titled „*Comparative analysis of data Mining techniques applied to wireless sensor network data for fire detection*“ by Mirjana Maksimović and Vladimir Vujović focuses on a comparative analysis of various Data Mining techniques and algorithms. For that purpose, three experiments in the WSN fire detection were carried out. For fire detection, the most suitable classification by means of fuzzy logic is shown.

The paper „Using Decision Tree classifier for analyzing students activities“ by Snježana Milinković and Mirjana Maksimović focuses on the analysis of student data from the Moodle Database and data collected manually at the Faculty of Electrical Engineering in Istočno Sarajevo. Using the method of classification J48 decision tree, four experiments were carried out. Obtained results provide a significant contribution to the paper.

The paper titled „Object oriented analysis and design for one algorithm of computational geometry: forward reverse and round trip engineering“ by Muzafer Saračević, Predrag Stanimirović and Sead Mašović demonstrates key advantages of the object oriented analysis and design in solving convex polygon triangulations. Based on the presented testing, it has been concluded that the synchronization technique which combines Java programming and UML modelling is the most suitable one.

The paper „Enumeration, ranking and generation binary trees based on level-order traversal using Catalan Cipher Vectors“ by Adrijan Božinovski, Biljana Stojčevska and Venio Pančevski deals with the presentation and detailed analysis of new representation of a binary tree, Catalan Cipher Vectors.

The paper „CRM performances accentuated with the implementation of Data Warehousing and Data Mining technologies“ by Ines Isaković represents CRM along with DW and DM as an essential system of modern business organisation.

We thank the authors for the effort they have invested in order to present the results of their research in a high quality manner. We wish for our presented papers to be recognized both by the readers and scientific community.