

## **Editorial**

We bring the last issue of the **Journal of Data Processing** volume with the below research.

In the first paper on “**Management of E-learning programmes using LMS**”, the authors developed an automated solution is required which is filled by the LMS (learning management system). Authors claim that The use of LMS ensures the interaction among learners and useful for examination and access to educational packages and information.

In the next paper on “**Students’ transaction model and framework for e-learning systems**” the authors have studied the standards, model and effective implementation of the educational systems. They have used the Petrinets and developed a framework with a formal model and advocated an adaptive model of student’s transactions during the course of an e-learning cycle and also we made an evaluation with non-adaptive systems.

In the third paper on “**Effective content management practices and the classification of the components**” the authors proposed the Content management systems (CMSs) as one solution that can respond to the learning challenges. They outlined a new classification and structure for CMSs, based on their security, community platform, support, and feature sets, to assist organizations.

In the last paper on “**Classification of learning models and the study of collaboration practices**”, the authors have classified the most important learning approaches for students with different learning styles suitable in the current educational system. We have used two classification approaches and collaboration skills.

The papers represent new changes in the learning systems and models.

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