

### **Universities can now breathe free.**

#### **Conduct of secured examinations and delivery of tamper proof certificates now possible.**

The two major problems faced by any university are to ensure the conduct of fool proof examinations and provide tamper proof certificates. At an average, two out of ten universities face the serious threat of either question paper leakage, leading to canceling of the scheduled examinations or face the ignominy of seeing their certificates being tampered with by unscrupulous elements. Issues such as examination related malpractices are found very often but not disclosed in order maintain the sanctity of the university and the faith of the students . But is there any solution to such problems? There are few, but they have their own limitations. Can technology be effectively used to curb this problem forever?

The answer lies in implementing an integrated solution for delivering question papers just half an hour before commencement of the examinations and providing tamper proof certificates. This integrated system has been brought out by Mindlogicx Infotech Limited; a company specialized into providing integrated knowledge management services for universities and academic institutions . The suite has two modules which take care of both examination malpractices and certificate tampering. The first module allows the university administration to conduct both online and offline examinations in a highly secured environment and the second module provides authentication services to the certificates issued by the university.

The examination management system is unique in many ways and uses state of the art technologies. The company has built this as a technology suite and provides the solution to the clients as Managed Application Service (MAS). It has a web based authoring tool by which the question papers can be set by subject experts from different parts of the world, thus giving the client the convenience of having the best set of question papers in a shortest time possible. The question paper is set on pre set parameters or templates by randomization process and then pushed the same to the examination centers within seconds. The question paper is first encrypted before being sent to the remote examination centers, from where the authorized person uses his key to decrypt and then print using high speed printers. Further, there are hardware based authentications which ensure s the whole process is highly secure and fool proof.

The certificates are secured with both physical and electronic security system which is embedded into them. The company has further tied up with an international organization to provide secured authentication code to the certificates by using Global Access Code (GAC) which is assigned to each such certificate. The details are stored in the global database and are available for access for any one who would like to verify the credentials of the certificates and the students. Our partner organization has specialized into providing similar services for many manufactures world wide for fraud identification and impersonation of goods. It is for the first time they have ventured into providing such services in education domain and that too for certificates. When they normally issue certificates of authentication, in this case they issue authentication to the certificates.

“Mindlogicx has rolled out many such innovative products and services over the years in the education space and this is just a beginning of a new age education delivery system which will be in vogue very soon” commented Mr. Gaurav Julka, Regional Manager, Knowledge Resource Centre, which is a division responsible for knowledge processing and analysis for various verticals.

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