

An Editorial

Emerging Educational Development Vis-à-Vis Internet of Things (IoT)

Internet of Things (IoT) is one of the emerging and effective teaching-learning mechanism for educational management for promoting effective collaboration and to offer reliable opportunities in resource management in the field of educational sector. IoT is emerging for the educational institutions, teachers and learners different way. IoT is required in measuring progress of the students like collecting data in real-time manner. Internet of Things is dedicated in advancing virtual learning and other allied teaching-learning activities, enhancing Onsite education as well as Online Education. Internet of Thing is also required in designing and developing new age teaching-learning mechanism for complete and new age educational administration. IoT is required in effective and advanced attendance systems, including display systems development, alarm integrated systems, proper and effective evaluation management systems, intelligent camera management. And all these are helpful in proper educational mode management including onsite, online, ICT based, distance and open, corporate based, etc.

Internet of Things (IoT) is most effective and advanced system of smart classroom development which are able in offering intelligent practical based systems such as promotion of the Augmented Reality integrated matters in some of the subjects like biology and Animal Sciences. In effective students management, e-device management, speech to text note tracking, class based virtual applications, operating remote education systems highly offered through self learning systems. As far as managing educational records are concerned Internet of Things (IoT) is needed in planning, executing and bringing automated system and therefore this can help in tracking attendance of the students and also recording of the students such as biometric and barcode attendance enable systems. With IoT based systems several educational planning and management effectively possible by the institutions, here IoT based systems required in parent management for the classrooms, outdoor activities, lab sessions. Proper accreditation process, hostel management is effectively possible with IoT based systems.

Internet of Things (IoT) is important and effective in fire safety management as it is lies on sensors, further it is required for the purpose of proper educational management as it is supported by the real-time data generation and its real-life utilizations. Internet of Things (IoT) can help in advanced education, teaching and learning and dedicated in promoting realistic teaching-learning supported by intelligent devices. Here various Barcode based systems are important in graphics and sound integrated software.

In addition to these various AI and AR based systems and mechanism are important with the help of 3D enabled systems.

Internet of Things and some allied and additional technologies are dedicated in developing and promoting special education such as verbal speech based systems, techniques and ways in promoting education to the special learners. IoT is also dedicated in advancing classroom environment uses of additional systems for the sound and light-sensitive matters required for the teachers, students, administrators and other stakeholders.

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