INFORMATION SCIENCE AND TECHNOLOGY
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Editorial Note

Cyber-Physical Systems into Healthy Social Informatics Practice

Cyber-Physical Systems term was coined in the year 2006 by Ellen Gill which is demonstrate the aspects of embedded system and deeply the Next Generation Computing Systems. Such CPS is comprises with the interacting digital, analog, physical components and it is uses for the requirement of the integrated physics and logic. Cyber-Physical Systems is required in critical infrastructure system development with the smart services, improve the digital qualities. In developing systems with proper sequence CPS is considered as worthy in addition to the healthy, interactive, personalized healthcare systems, traffic management systems including flow of the trafic, development of the emergency response including electric power generation etc. Cyber-Physical Systems is backed by the human components engineered systems, and this is a real-world systems supported by the Computation, Communication and controls. CPS is depends on different allied and emerging such as Big Data and Data Science, Cloud and Virtualization, Internet of Things and its sub systems. Cyber-Physical Systems is helping in enabling and developing—

- ❒ Smart and Intelligent Grid,
- ❒ Smart and Intelligent Cities,
- ❒ Smart and automated cars,
- ❒ Smart Buildings and Homes,
- ❒ Smart Manufacturing Units,
- ❒ Smart and Intelligent Hospitals and Healthcare Systems
- ❒ Smart and Intelligent Appliances development systems etc.

Cyber-Physical System is important in enhancing the agriculture system with higher amount of productivity and also prevents starvation by getting data like temperature, humidity, irrigation system bringing. CPS normally uses specific computer programs which may be ensuring better growth towards helps in the greenhouse. Here proper feedback is managed using network service supported by the sensors for the collect the data regarding temperature as well as humidity, soil moisture including light sensors. Among the uses of the Cyber-Physical System some of the important applications areas are Healthcare, Business, Transport and Tourism, Governance systems etc.

Cyber-Physical System is useful in various medical and healthcare systems for the collection of the real time data such as monitoring the patient and it may results the improvement of enhancing healthy and improved treatments for the general patient including for the disabled and elderly patients. Cyber-Physical System in helpful in collecting real time information of various traffic and transportation related aspects including traffic systems, location management.

Cyber-Physical System is also essential in developing smarter educational Systems which can suits in enhancing physical systems classes and environment and also converting measured data, online educational systems. Regarding the students, staffs and educational institutions also CPS is worthy and important.

— **Chief Editors**