

An Overview on Cyber Physical System

Prof. Nitu Sahu and Vishal Yadav

Asst. Professor and Research Scholar

St. Rock's College of Commerce and Science, Borivali (W), Mumbai, India

Abstract: *A cyber-physical system (CPS) is made up of various independently interacting parts, such as control, communication, and computational systems. Cyber-physical systems largely change how humans interact with the physical world, and depending on how sensitive the control system is and what information it contains, each system has a different level of security requirement. Given the impressive advancements made in CPS technologies in recent years, security and trust mechanisms must be improved to prevent security breaches and data leakage from integration elements. This essay focuses on many levels of security and privacy issues. Applications of CPS institute at different levels of integration, ranging from nation-wide power grids, to medium scale, such as the smart home, and small scale, e.g. ubiquitous health care systems including implantable medical devices.*

Keywords: Cyber, Physical, System, Cloud, Computing, IOT