Industry and Academic Research Review, December 2020
ISSN 2719-146X (Print) 2719-1478 (Online)

An Investigative Study on Security Attacks in Cyber Physical Systems

[1]Mr. Manas Kumar Yogi & [2]Dr. A.S.N. Chakravarthy

[1]Assistant Professor, Computer Science and Engineering Department, Pragati Engineering College (Autonomous),Surampalem, India; manas.yogi@gmail.com

[2]Professor, Department of Computer Science & Engineering, JNTUK-University College of Engineering, Vizainagaram, A.P. India; drasnchakravarthy@yahoo.com

ABSTRACT

Cyber Physical Systems (CPS) are arranged frameworks of digital (calculation and correspondence) and physical (sensors and actuators) parts that cooperate in an input circle with the conceivable assistance of human intercession, communication and usage. These frameworks engage the basic foundation and can possibly altogether affect everyday lives as they structure the reason for developing future administrations. However, the expanded utilization of CPS brings more dangers that could have significant ramifications for clients. Security issues here have become a worldwide issue. Subsequently, planning and securing proficient CPS is a functioning region of exploration. Security issues are not new but propelling innovation makes it really important to find new ways to deal with secured information. New dangers will keep on being misused and digital assaults will still rise. Thus it requires new techniques to ensure CPS. This paper investigated the security issues at the different layers of CPS design.

Keywords: cyber, attack, security, communication, malicious, cryptography