RESPONSE OF THE INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) TO COVID-19 CRISIS

Lieutenant-General (ret.) Associate Professor Constantin MINCU, PhD* Colonel (ret.) Professor Gheorghe BOARU, PhD**

Abstract: The COVID-19 crisis has not only highlighted the critical role of information and communication technology (ICT) for the continued functioning of societies, but has also brought to the forefront the astonishing digital inequalities between and within countries.

Linked to the strong belief that technology can be a source of good for everyone, members of ICT organizations have stepped up their efforts and engaged in activities that have proven essential to saving lives and maintaining economies at an somewhat level as acceptable.

In this study-article there were used many bibliographic sources, from countries on several continents and with different political and administrative regimes to highlight the very serious views and concerns of the scientific environment, supported by the respective political and state leaderships, in purpose to cooperate in order to find solutions to save this civilization from the current health catastrophe.

The authors, through their technical-military expertise, analyzed the most significant aspects related to the involvement of information and communication technology (ICT), seen as a positive response to the health crisis that has invaded humanity, managing to present some more important elements of its evolution.

Keywords: Information and communication technology, Artificial Intelligence, digital transformation, digital services, telemedicine, cyber attackers.

Introduction

The unprecedented COVID-19 crisis has demonstrated the vital role of information and communication technologies (ICTs) in mutual informing to state level but also to the level of ordinary people as well as in developing

^{*} Entitled member of Romanian Scientists Academy, Vice-President of Military Sciences Section, and member of Honorary Council of Romanian Scientists Academy. E-mail: mincu constantin@yahoo.com; Phone: 0722 303 015.

^{**} Entitled member of the Romanian Academy of Scientists; entitled member of the Academy of National Security Sciences, E-mail: boarugheorghe@yahoo.com