**Problem Statement:**

Cosmonaut training is one of the most important issues of the manned flights programs. Which includes medical tests, physical training, extra-vehicular activity training, procedure training, rehabilitation process, as well as training on experiments they will accomplish during their stay in space. Advances in the exploration and habitation of space environments over the last half-century have set the stage for long-duration expeditions beyond Earth orbit. A common feature of these initiatives will be extended stays by groups of humans in extraterrestrial habitats. Hundreds of humans have now participated in missions that required the occupancy of spacecraft vehicles or space stations for periods of up to several months or in some cases a year or more under generally adverse environmental and behavioral conditions. Cosmonauts alike agreed that the most challenging interpersonal problems were not among the crewmembers but, rather, were between the crewmembers in space and the mission controllers on the ground.

**Scope:**

The introduction of AI technology will also contribute to the development of joint teamwork of cosmonauts, through the implementation of various scenarios on behaviors, which can only be solved by a coordinated work of each cosmonaut in his workstation. This will require the development of dedicated software to create a user-friendly nature of cosmonauts. But there’s no doubt that the quality of training, and the volume of educational material will recoup the expenses connected with the development of AI technology as a part of the crew training system.