**MODULES:**

* trainer
* cosmonaut
* admin
* artificial intelligence

**trainer**

Cosmonaut training is one of the most important issues of the manned flights program. training of orbital space station crews in the context of conversion to advanced digital smart technologies, computer-assisted training and artificial intelligence .The process of the crew training includes planning, activity arrangement and performance control. In order to achieve the goals of crew training, it is necessary to optimize the use of appropriate resources. software to download the scenarios of emergency situations for the upcoming training sessions. emergency scenario training. detection of crew errors in the process of training.

**cosmonaut**

The stepping up requirements for the quick decision making has led to the need to develop a computer-assisted control in the subject area of cosmonaut training. increasing number of flight operations performed increase of complexity of the cosmonaut training. sophistication of material and technical facilities and communication equipment. understand the goals, objectives, functions of the entire system of crew training with the use of integrated and special purpose simulators.

**Admin:**

The aim of admin is to approve the trainers and cosmonauts . the entire data must be gathered to admin. Automated control of the crew training has resulted from the need to record large amounts of information (the number of flight operations aboard the reaches several thousand) and to take into account all factors affecting the planning and control of training sessions. Based on these data, the system will allow to generate additional tests and tasks for more successful mastering of the training documentation

**artificial intelligence**

The application of advanced digital, smart technologies, robotic systems, new materials and design techniques, creation of large data processing systems, computer-aided learning and artificial intelligence (AI) are relevant for various branches of science and technology, including manned space programs. Some technology concepts and pilot systems based on the AI (3-D computer vision, automated systems for planning and evaluating the activities of cosmonauts, inquiry and communications system) were developed in the industry over several decades .