

This diploma paper arose as a part of project, which considers by realization of simulated workplace of intensive care unit for biomedical technicians on Faculty of biomedical engineering. That was solved by several partial points: list of proposed instruments, space solution of laboratory, orientation calculation of recovery of investment. At first I got acquainted with Standard of Ministry of Health About intensive care unit and I analyzed the present state of this area.

The first point was solved by analyse offer of instruments and patient simulator. Than individual components of laboratory were taken up in selection procedures.

The second partial point was the concept of space solution of laboratory several instruments and a bed in laboratory 9. I used a recommended computer program Room Arranger for creation of solution.

The third partial point was orientation calculation of time of recovery of investment, which proved, that time of recovery of investment is 9 years.