

**Annotation coursework specialty 8.05020202**  
**Computer-integrated technological processes and production on**  
**discipline**  
**"Applied Control Theory 2. Synthesis software, to provide for control of**  
**the"**  
**S.M.Vekshin Group HA 51m**  
**Theme: "Control Subsystem cation conductivity of the water in the steam**  
**generator blowdown "**

Within the course of the project was described subsystem control cation conductivity of the water in the steam generator blowdown (Y) in the second steam generator blowdown water circuit in nuclear power plants with VVER-1000, where the channel zburennya- pH-value (X1) and the coolant temperature (X2) and the channel control - hydrazine concentration (U).

It was calculated the change of iron ions with time and built-graphs using module RRS. As well as working versions were developed management strategies among Expirion PKS, Control Builder, in object- Wed de Matlab, VHR2Mng.