

## PROPUNERE DE PROIECT

**Departament:** *Software Engineering and Automation*

**Study program:** *Software Engineering(FAF)*

*FAF-203, Boicu Stefan*

<b>Topic:</b>	Desktop GUI application for file backup and recovery.
<b>Subject:</b>	Design and development of a desktop application that saves the files designated by the user to an external data storage device. The application also lets the user recover their files from a backup.
<b>Objectives:</b>	<ul style="list-style-type: none"><li>- Design and development of an intuitive user interface</li><li>- Usage of encryption algorithms to make the file backups secure</li><li>- Usage of versioning algorithms to optimize the space necessary to store the backups.</li><li>- Usage of caching algorithms to optimize the time necessary for creating new backups, as well as decreasing the number of read/write operations.</li></ul>