INFORMATION SECURITY

"Development of a comprehensive information security system for the object of Informatization (room 431)»

PURPOSE AND OBJECTIVES

The main purpose of writing a thesis is that it is necessary to analyze the possible channels of information leakage at the object of Informatization and prevent unauthorized access to them. Note the main types of unauthorized access at the facility and take appropriate measures.

To achieve this goal it is necessary to solve the following tasks:
1. describe the channels of information leakage;
2. to perform office No. 431 on the subject of channels of information leakage;
3. to make calculations of technical channels of information leakage and to take necessary measures for their protection.

INTRODUCTION

Confidential information is understood as documented information, access to which is limited by the legislation of the Russian Federation.

Accordingly, this data can become an object of interest to attackers. Therefore, it is necessary to create conditions under which the possibility of leakage of confidential information will be minimized.

All threats of confidential information in relation to the object can be divided into internal and external.

Statistics show that most threats are committed by the organization's own employees, while the proportion of external threats is relatively small.

Possible channels of information leakage

№	Source of information	Possible channel of information leakagethe session
1	University employees	Acoustic
2	automated working place	Optical
		Radio-electronic
		Material
3	Products (projects), paper media	Material
		Optical

POSSIBLE WAYS OF INFORMATION LEAKAGE

№	Possible channel of information leakage	Source of information	The path of information leakage
1	2	3	4
1	Acoustic	University employees	Heating system
			Air
			The perimeter of the room (walls, doors, Windows)
2	Optical	monitor	Windows, open doors
			Wall defects (holes, cracks)
		Products (projects), paper media	Windows, open doors
			Wall defects (holes, cracks)
3	Radio-electronic	automated working place	The perimeter of the room (walls, doors, Windows)
			Power supply networks
			Optic cable
4	Material	Products (projects), paper media	Theft of storage media
		automated working place	Theft or damage of equipment

THAT CONCLUDES MY REPORT,
THANK YOU FOR YOUR ATTENTION.