Information Security – Company info

Practical work #4, 1DV700, VT16

Loco News is a local newspaper in a European country. It has 50 employees total.
They print and sell their newspaper on a weekly basis.
The company have lately expanded from being a small newspaper to a bigger with more resources available. But their management with their Infrastructure has not kept up with the expansion and there are several areas where they need to improve to have a more secure and structured office.

General:
- 25 employees have a desktop computer at their workspace.
- 25 employees have a laptop as their working computer.
- The people with the laptops are allowed to use them outside the work.
- The employees PCs have full admin privileges.
- The OS that are used by all the employees are Windows 7, Windows 8 and/or Mac OSX Mavericks.
- 1 person is the chief for the office.
- Each employee has to sign an agreement to a professional secrecy when being employed.
- They have 1 person who is IT-administrator and CTO
- WiFi is accessible at the office.
- Server room has no direct protection against physical access or accidents other than a UPS for the servers.
- Previously incidents: Hardware failures, Viruses and other nasty malwares.
- Employees bring their own personal devices like smartphone, tablet.
- On the servers they have many different repositories of information, previous editions of the paper, image database, records of well-known people in society for future use in articles, financial and employee information about the company etc.

Equipment:
1. 25 desktops (PC and Mac)
2. 25 laptop (PC and Mac)
3. One WiFi router using WPA2 as encryption of key.
4. Four WiFi repeaters to get better coverage.
5. Two Dell Servers (VMWare with SBS 2003 & Windows Server 2003, One Ubuntu Server guest with 50 clients.
6. Two big newspaper printers/presses connected via network and 50 desktop printers connected via USB to each employee workspace.
7. Document & small data stored on non-encrypted cloud based service.
8. Important data stored on local server.