ACN University is an established university with CSE, EEE and ECE departments. The university started off in a single building which housed all the three departments. They had a common staff room for all the faculty. They have now increased their intake of students and have expanded to 2 buildings. CSE department will now occupy the newly constructed building. The other two departments will continue to function in the existing building. The university will now be providing a cabin to each faculty member and these will be spread across all the floors of the two buildings. Network separation is a must for the different departments. In addition to the aforementioned departments, there are admissions and finance departments which deal with sensitive information. These 2 departments are housed in an administration office 2km   away from the university premises.

The university wants to put in place a learning management system for students and faculty. They are very particular about hosting the application on-prem. The learning management system will be used for course submissions, for hosting video lectures/resources and conducting online examinations. Therefore, this service must be highly available (at least 4 9's availability). The CSE department is also planning to host the Claynet software which will require a dedicated server in the CSE network. The CSE department would like students to be able to work on this software from home as well. However, they are concerned about security. In the past there have been malicious activities by students which have pulled down the network. The management of the university wants to make sure that the network is appropriately monitored as well.

The website of the ACN university will also be managed as part of this network itself. The university is also planning to start the department of mechanical engineering in the next few months in a separate building to be constructed