SUMMARY

In this thesis, the current productivity tracking methods and products have been thoroughly reviewed. In addition to that a new productivity tracking system has been developed by using embedded technologies, cloud computing, server-side programming and front-end development. Following this, a user experience quality survey has been conducted and analysed.

The goal of this thesis was to develop a system that supports multiple users, manages multiple employees, and tracks these employees working on different tasks at different times. Based on the survey results, the system has an easy-to-use interface, and it is relatively well integrated. It is possible to say the goal was achieved.

For the further development, in the user interface, the system can include various bars and charts that is related to an employee's work habits and other statistics which can give useful insights. In this way, users can clearly see employee's work over the time. Moreover, the system can have a dedicated user interface for employers, and they can change, and decide on their work schedule. The system can further integrate into existing company communication tools such as Slack or Microsoft Teams.