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### **Abstract**

This thesis was created for monitoring network by using knowledge about the network in SNMP Protocol. To make sure that a network device is working and using fundamental of programming for make website to follow monitoring of the network, then notification to the user about a problem in the network.

At present, Faculty of Industrial Technology and Management still not have network monitoring so, when device broken will impact to network system, it will make network have a problem for temporary because the network have no monitoring.

Therefore, this thesis was developed for monitoring network in Faculty of Industrial Technology and Management including notification to user when the network was failing so, damage can reduce.

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Project Advisor