

# THE LAMP POST CLIMBER

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## ABSTRACT

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The objective of this project is to design a simple optional device to allow the workers to climb up the utility pole. The design applies the concept of friction force and bending moment for the clamp to hold the pole firmly while the workers are climbing up the pole.

If the worker needs to climb up the pole, they just need a simple human moving mechanism to move the clamp up. Firstly, the workers need determine the size of the base where it can fit in the Safety shoe. After getting the size correct, screw it tightly. After that connect the climber n the pole and wear this device. Adjust the felt according to the feet size. This device is worked by moving both left leg and right leg simultaneously. Apart from that, safety precaution also be taking in for consideration. In this case, safety belt, hard head and eye protection is used to ensure the workers safety.