**CHAPTER FIVE**

**CONCLUSION**

This project was conducted in a plastic factory produces several types of plastic product in order to improve its layout. The factory area is more than enough for the current level of production, departments arrangement does not need any change, since there are only two independent departments, and administration building and workers, services building which are close to the two department and far from each other, this arrangement is good and does not need change. There are problems in the machines and stores arrangement inside each department which cause problems such as cross traffic, back tracking, material handling and long traveled distances, these distances waste time and efforts which increase costs and lower productivity and in turn lower profitability. We propose rearrangements of machines, store spaces and doors. Results of these arrangements will make the flow of materials inside the two departments smooth, straight, minimizing traveled distances, and eliminating cross traffic and back tracking. These improvements would save time and effort, lower costs, increase productivity which in turn would increase the factory in come.