

**Project # 3: COMPANY NAME: - Falcon Industries**

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**1. Brief description of project:-**

Company works in the field of manufacturing and supplying various products which are made up of plastic. Company is having problems in manufacturing Toe cap, which are used in shoes. This problem is because of inappropriate material, being used. Materials such as ABS and NYLON have been tried earlier but promising results were not observed. A new polymer is to be suggested for this use, which can not only qualify impact and compression tests but also has maximum strength. Other important properties such as durability of material, easy manufacturing and cheap processing are also desired.

People knowledgeable in the field of polymer and material science are needed, who can help in suggesting and synthesizing an appropriate material that can be used for this purpose.

**2. Tentative time line: 6-8 months.**

**3. Required background:**

Polymer and material science

Chemistry