

Recycling of plastic bottles and converting them into a polymer jeans

The National Institute of Engineering, Mysore (South) / I Sem ECE / A Sec

PROBLEM STATEMENT

Plastic recycling is must and recycled jeans are more durable and fancy in the textiles industries

TEAM MEMBERS

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INTRODUCTION

Once all the plastic is melted and filtered, it goes through the spinning process. The melted plastic is turned into polyester yarns and spun together with the yarn of choice to make the plastic fabric wearable. The yarn is collected and passed on to the weaving department. It is responsible for reduction in toxins released into the air while burning waste plastic. Besides, the waste bottles dumped into the landfills are also reduced. Further, the used plastic bottles which are turned into fabrics are recyclable and they generate less pollution in the environment.

IDEA GENERATION

"They were facing problem to remove the rings below the cap while recycling as it made up of another material which is not good for recycling."so we have redesigned the cap with which we can remove the cap ring through hands.

PROTOTYPE IMAGES

