

## Futuristic Styling of 125cc Bike for Indian Youth



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**Abstract:**

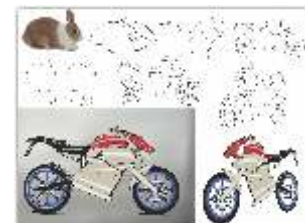
The Automotive industry in India is one of the largest automotive markets in the world. Currently, India is the second largest producer of two-wheelers in the world. Today's youths are looking out for new bikes with style and brand image. Current trend on aesthetic need is giving a great opportunity to step into futuristic designs for those who love blending style and functionality with pioneering design and technology. Aim of this project is to bring up a concept of futuristic styling of bike for Indian youth.

The design process starts with literature review, by collecting data from books, journals and websites. Data collection was carried out by various research methods like user study, market study etc. From the research it was found that future products would be designed according to people lifestyle, latest technology and environment. Out of five concepts most aesthetic model was selected by weighted ranking method as the final model. The selected model was rendered with different colors and a mockup model was made with 1:6 scale to validate the designed model.

This project is a wonderful experience to come up with good result. Features like mono suspension, petal disk brake, and full fairing design were implemented. The work has been concluded with future analysis of individual parts, design modification, development of a working model for final validation, engineering design improvement, testing for industrial production and branding of the product with logo.



**Various concepts of 125cc bike**



**Final concept**



**Digital model of final concept**



**Mockup model**