

Smart Home Lamps

I. Title of Research: Smart Home Lamps

II. Research Team Members

Department	Name	Position
Mechanical Engineering	Tsao, Wen-Chang.	Assistant Professor
Fashion Design and Management	Wang, Yun.	Associate Professor
Research Center	Zheng, Chao-Yuan.	Lecturer Researcher
Mechanical Engineering	Li, Hung-Hsing.	Student (Junior)
	Huang, Kuang-Yu.	Student (Junior)

III. Development Idea

Today's home life focuses on personal taste and style. Traditional single-function table lamps can no longer meet the needs. This project mainly designs a smart home lamp with rich functions and in line with modern lifestyle, integrating technology and comfort to improve the quality of home life. Through innovative design, intelligent functions and humanized operation, we are committed to creating a smarter, more comfortable and more interactive bedside lamp to meet people's diverse needs for home environment.

IV. Technological Competition and Industrial Application

Smart home lighting products, industrial applicability summarized in several points:

1. Multifunctional convenience.
2. Save time and energy.
3. Space saving and tidy.
4. High-quality functional performance.

V. Merchandise Statement of Achievement

1. Completed the 3D printing model of "Smart Home Lamp".
2. Obtained a new patent "Smart Home Lamp."



Fig 1: The rendering pictures of Smart Home Lamp



Fig 2: The model of Smart Home Lamp