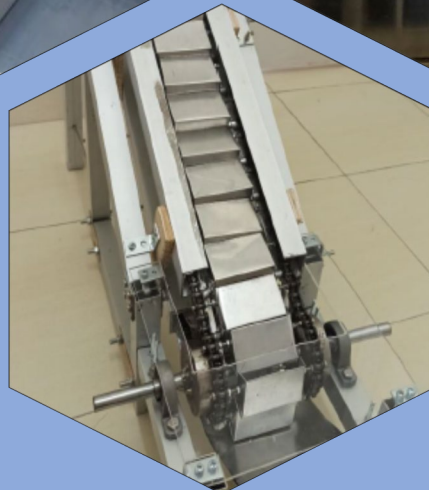
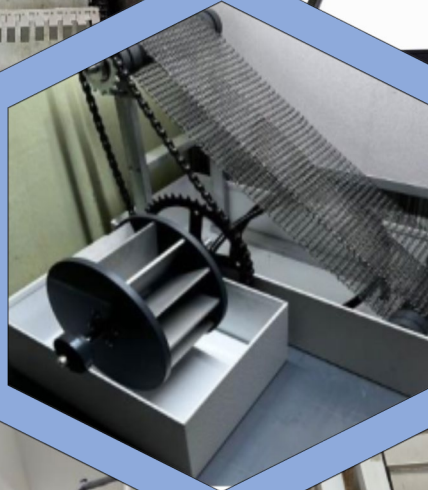


PROTOTYPE DESIGN COLLECTION

SERIES 1



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CHAPTER 50

Design and Fabrication of Ergonomic Gaming Mouse

Muhammad Faris Azri Bin Shamsulasri and Zeno Michael

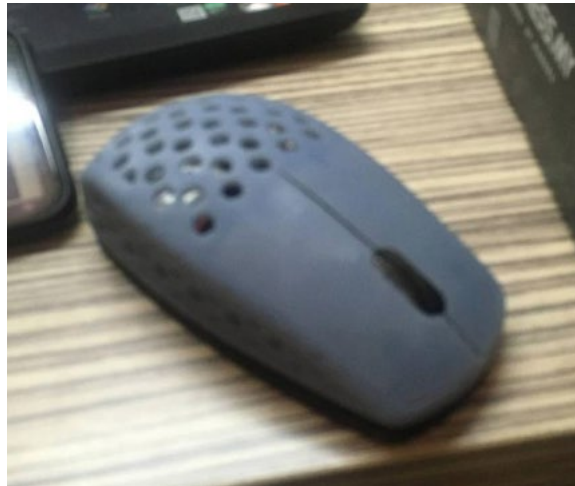
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PROJECT DESCRIPTION


The gaming mouse is a fast-developing electronic device that has been generally utilised in life and work. Despite its greatness in design and fabrication, the gaming mouse still gives a lot of health problems to its users such as Repetitive Strain Injuries (RSI) and sweaty hands causing itchy skins. In this study, we want to design a gaming mouse that is more ergonomic by using better material which is resin rather than the normal acrylonitrile butadiene styrene (ABS) and designing using Solidworks and 3D printing. This study demonstrates that the ergonomic gaming mouse is a great success in terms of material, durability, and comfortability. These results suggest that the material used to fabricate the ergonomic gaming mouse, the resin, is more durable, have better comfortability for the hand to grip, great water resistance to eliminate sweats, and have greater finishing rather than the ABS one. This study also shows that the ergonomic gaming mouse can help the development and research of other mouse in the future.

Keywords: *Gaming Mouse, Electronics, Technology*

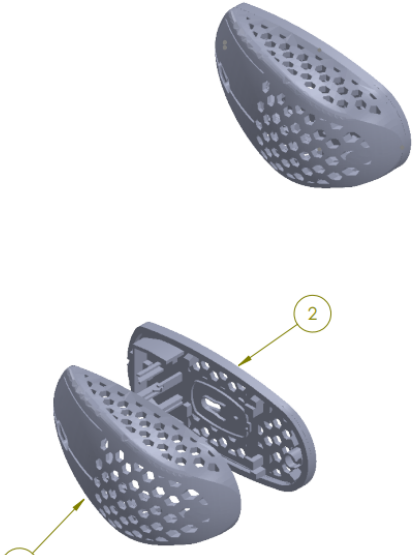
PROTOTYPE



DESIGN PARAMETER

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Group : J4EM1105F				
Approved	Checked	Drawn Muhammad Faris Azri bin Shamsulasri		
Drawing Title : ASSEMBLY OF ERGONOMIC GAMING MOUSE				
Part Name :-				
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