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i - JaMCSIIIX  
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# ABSTRACT BOOK 2023

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INVENTION AND INNOVATION EXHIBITION

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## **2023**

INTERNATIONAL JASIN MULTIMEDIA & COMPUTER SCIENCE  
INVENTION AND INNOVATION EXHIBITION (I-JaMCSIIIX) 2023

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## 2023

INTERNATIONAL JASIN MULTIMEDIA & COMPUTER SCIENCE  
INVENTION AND INNOVATION EXHIBITION (I-JaMCSIIIX) 2023

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## International Jasin Multimedia & Computer Science Invention and Innovation Exhibition



# Design and Fabrication of a Potato Peeling Machine

Hazim Sharudin<sup>1</sup>, Raja Muhammad Aslam Raja Arif<sup>2</sup>, Azizul Hakim Bin Samsudin<sup>3</sup>, Noor Hafiz Bin Noordin<sup>4</sup>, and Nur Ain Safiyah Binti Mohamad Raman<sup>5</sup>

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**Abstract**— Since most peeling is now done by hand, which is very convenient for housewives, skin removal is still a vital unit of activity in potato processing. The idea of fully automatic potato peeling equipment is the main objective of this project. The initiative focuses on small and medium potatoes, portable machines, and affordable manufacturing costs. It is intended for housewives and small businesses such as hawkers. The rotating disc, the peeling blade, and the drive connection to turn the rotating disc with the motor shaft are all included in the essential components of the machine. The protrusions on the inner surface of the rotating disc cause the potato to operate into the peeling blade as it rotates. During the process, a little water is needed to wash the potatoes and facilitate the peeling process. As a result, this machine can reduce the time and labour required to process potatoes.

**Keywords**—Small and Medium potatoes, Potato peeler, Portable, Affordable.



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