

SASHA INNOWORKS PVT. LTD.

# **ADVANCED ROBOTIC PICK-AND- PLACE OPERATIONS DEVICE (ARPOD)**

AUGUST 2024

# ABOUT ARPOD

ARPOD is an automated component identification system, integrated with robotic arms for precise handling and placement of components. This system will use high-resolution cameras and advanced lighting setups to capture detailed images of components from various angles. The deep learning model will classify these components, and the image processing algorithms will measure their dimensions accurately.

# WHAT WE DO

ARPOD develops an AI-powered automated system and handling in assembly lines. Our solution combines AI & ML, and robotics to enhance efficiency and precision in manufacturing processes across various industries.

1 AI/Deep Learning

2 Vision Based systems

3 Automation

4 Robotics

# MEET OUR TEAM

Dr. Sandip Deshmukh, Professor of Mechanical Engineering at BITS Pilani, brings over 25 years of research experience.

Kaki Ramesh, a PhD student and skilled Data Scientist, specializes in computer vision and AI technologies, with expertise in industrial automation



**Sandip Deshmukh**

Co Founder



**Ramesh Kaki**  
Co Founder

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# OUR CLIENTS

We are a newly established company and have not yet acquired clients. We are leveraging our extensive experience to develop innovative solutions for industries. We are currently in the process of seeking funding to support our growth and development. As we progress, we look forward to building strong relationships with clients in the aerospace, automotive, electronics manufacturing industries etc.



# GET IN TOUCH



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