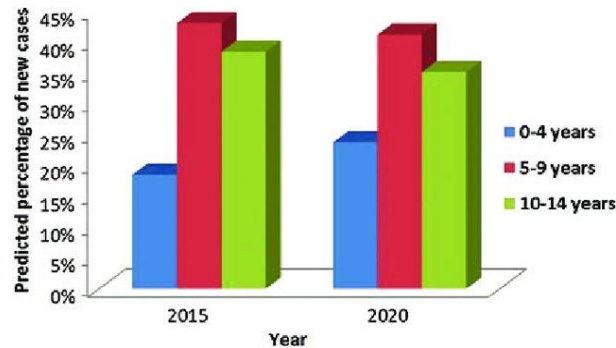
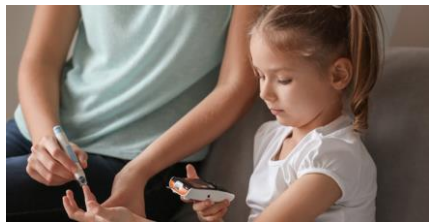


Development of an Intelligent Controller for Pediatric Insulin Pumps Powered by Renewable Energy

Project proposed by :Elleuch Dorsaf



Healthcare Collaboration

Working with medical professionals to enhance care



Renewable Energy Integration

Utilizing sustainable energy sources to power medical devices



Intelligent control systems in medical devices

User Safety

Ensuring devices are secure and reliable for young users

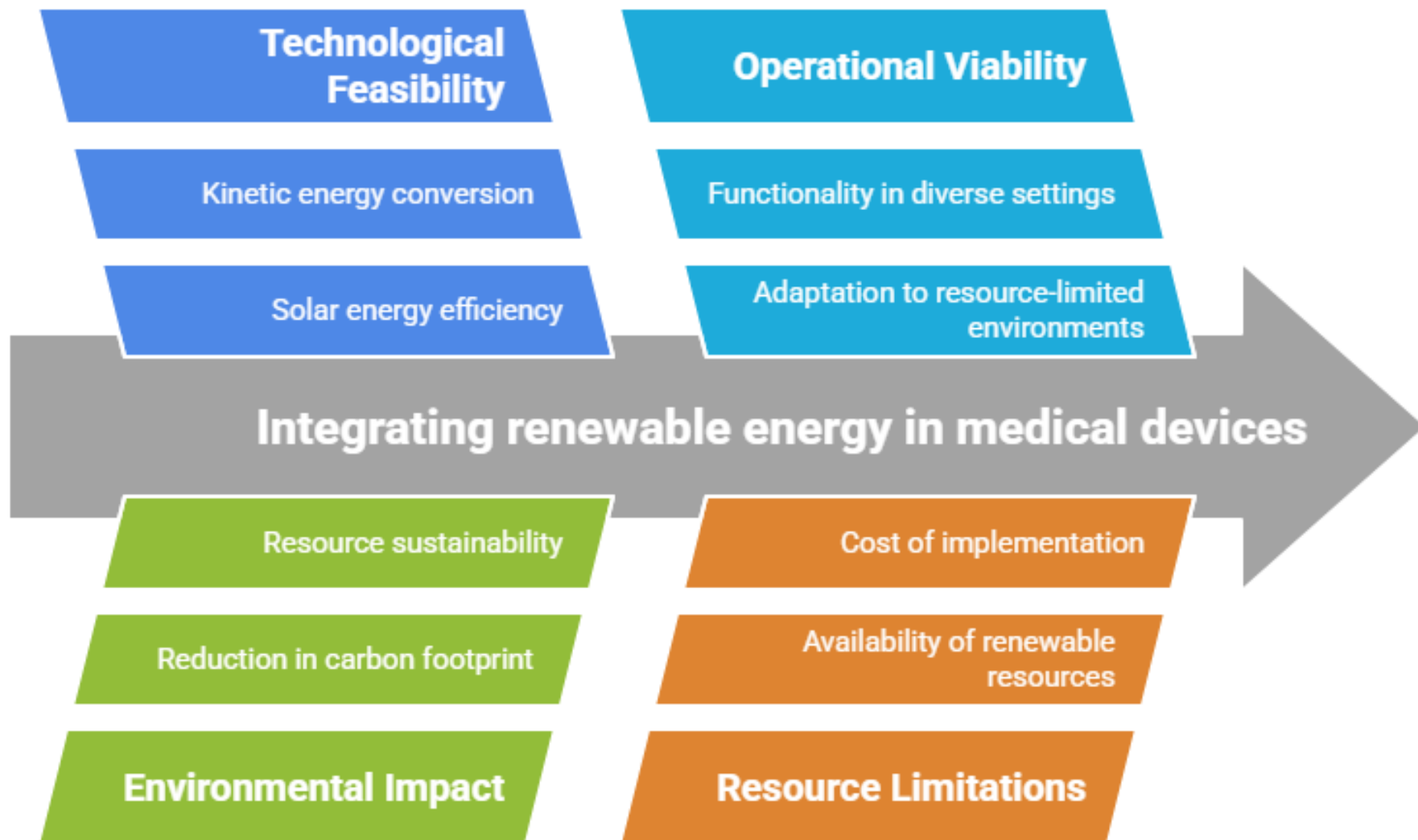


Real-Time Monitoring

Continuous tracking of patient data for immediate insights



Enhancing Sustainability in Medical Devices



**Collaborative Research Institutions
Control
Systems
Expertise**

Contribute to the
technical aspects of
devices

**Renewable
Energy
Expertise**

Enhance
sustainability and
energy efficiency

**Medical
Technology**

Focus on advanced
healthcare solutions

**Research
Centers**

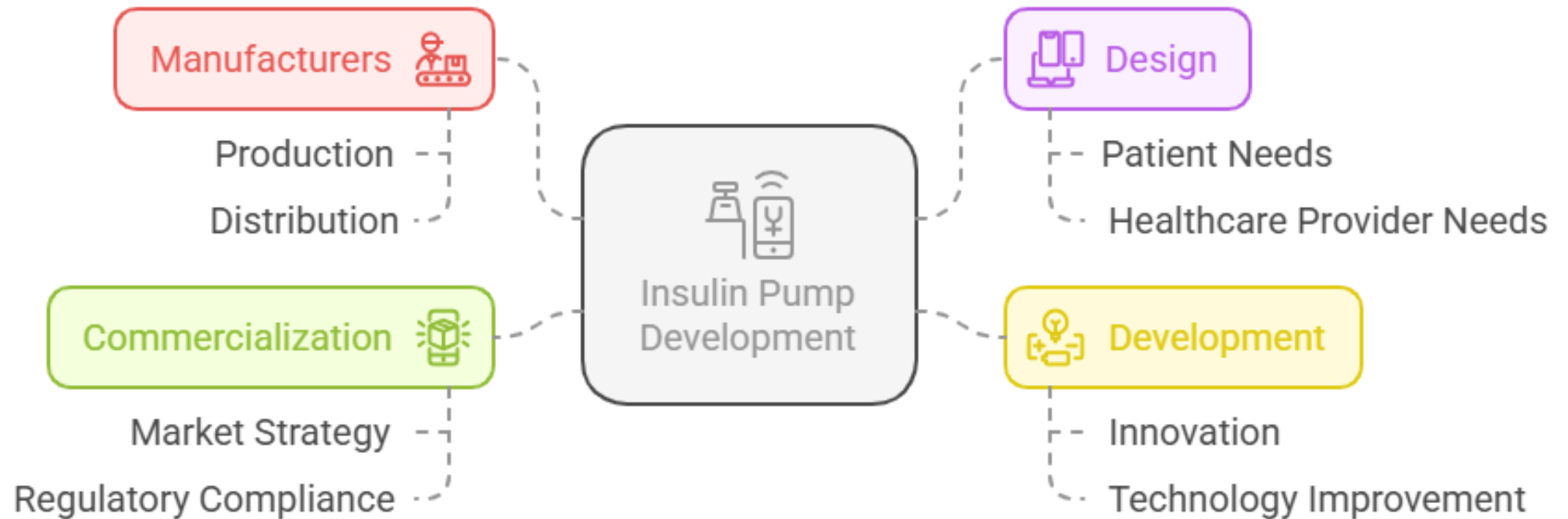
Offer specialized
knowledge and
innovation

Universities

Provide academic
expertise and
research support



Medical Device Manufacturers: Roles and Relations



Expertise in Engineering and Energy

Renewable Energy Integration

Developing
energy-efficient
solutions using
renewable
sources



Control Systems

Designing and
implementing
intelligent
systems for
nonlinear
dynamics