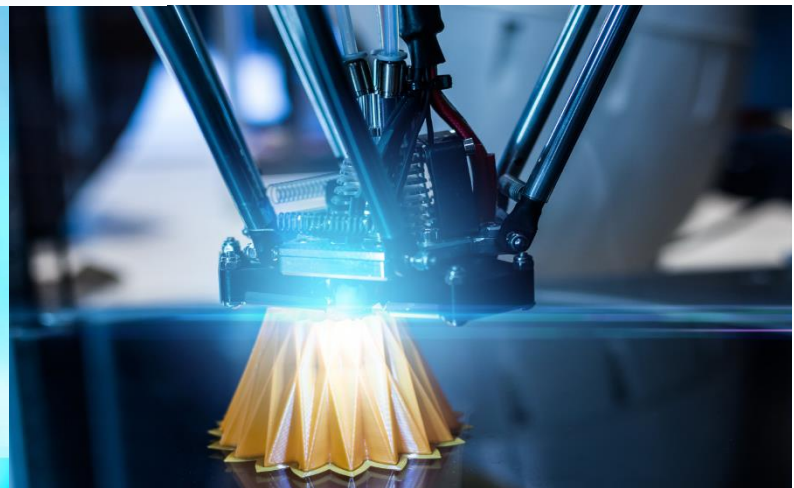# RaPID Centre @ SIT

One-Stop Product Development Centre

Core Capabilities:

- Mechanical Design and Engineering
- Prototyping
- Electronics Hardware and Firmware
- Design Verification and Testing

ABOUT RaPID CENTRE @ SIT

The **Ra**pid **P**roduct **I**nnovation and **D**evelopment (**RaPID**) Centre at the Singapore Institute of Technology (SIT) is a one-stop rapid prototyping and product development facility, aimed at supporting Small and Medium Enterprises (SMEs) and Startups, in product innovation and development. Companies work directly with our multi-disciplinary Faculty staff, Professional Officers and SIT students to turn novel ideas into innovative products through ideation, prototyping and user-validation of minimum viable products before scaling up for production.

Rapid Product Innovation and Development (RaPID) Centre @ SIT

Vision A specialised New Product Development (NPD) facility that focuses on rapid prototyping to support SMEs/Startups to pursue innovation in Singapore's Innovation & Enterprise space

SMEs Start-Ups

Projects

Industry & Agencies

RaPID Centre

ENGINEERING

Industrial Electronics

Assistive Healthcare Devices
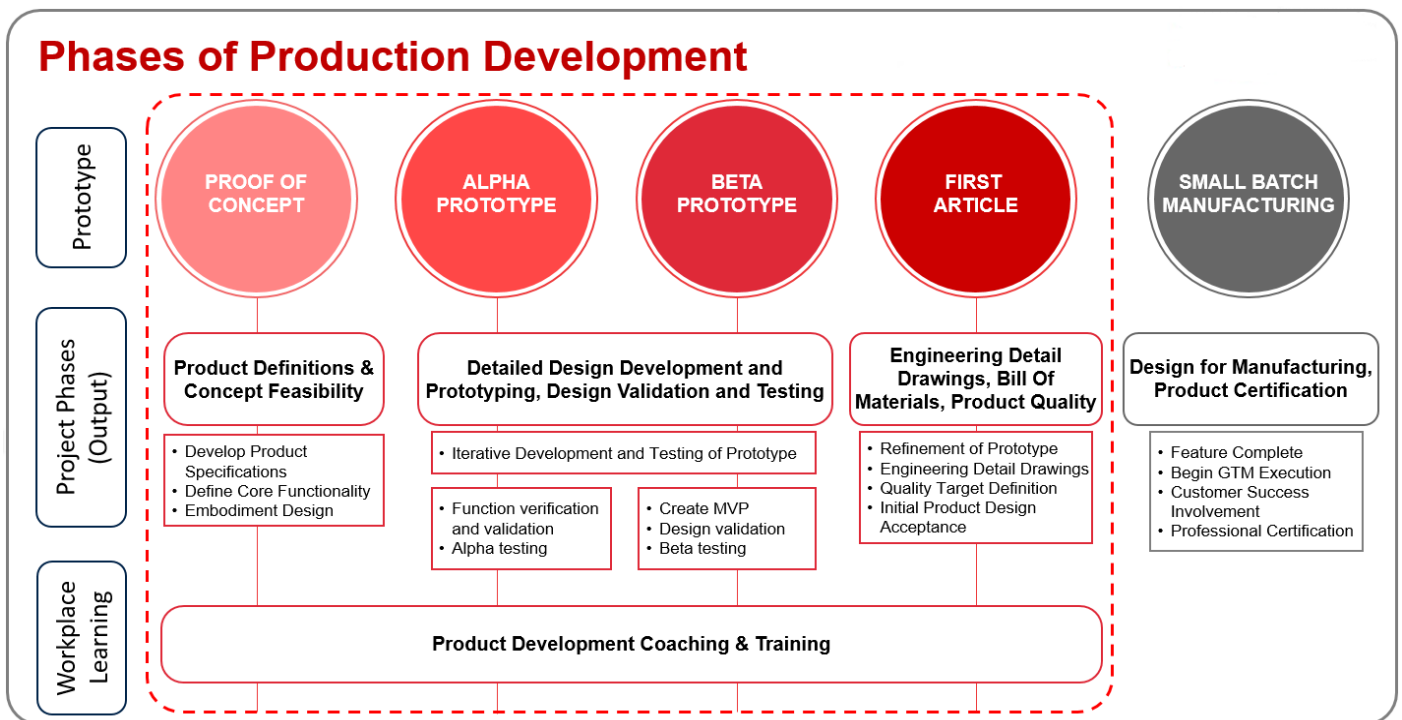
Service Robots & Process Automation

- **One-Stop Solution Centre**

- **Support Startups and SMEs in seeking novel ideas for value creation**

- **Facility for RaPID Product Development and Sample Production**

- **Platform for clients to work with SIT Work-Ready Students and source of talent**

The Centre provides core capabilities in engineering design, prototyping and systems integration to enhance the realisation of product ideas.

Companies can work on any of these product development phases with flexibility:

a) Proof of Concept;
b) Alpha Prototype;
c) Beta Prototype;
d) First Article

Phases of Production Development

Benefits to Companies

- Adopt Design Thinking and Lean Startup Methodology to ideate and develop Minimum Viable Products for user validation
- Develop proof of concept / proof of value at affordable cost
- Access to specialised equipment
- Defer capital investments until product concepts are proven viable
- One-stop access to multi-disciplinary expertise from SIT Faculty, Professional Officers and practice-oriented students
- Embark on relevant training programmes to level up competencies

For more information, please email **RaPID@singaporetech.edu.sg**