

Creative Industries: Footwear Sector (v2 2024)

Updated as of 11 January 2024

Legend

New/On Going

Completed

Target

Overall Strategies

Human Resource Complement

- At least 10 personnel trained and knowledgeable of international trends from different organizations
- Training on Software Footwear Design and innovation
- At least 5 Podiatry experts involved in Footwear Industry
- At least one school with curriculum for shoe technology

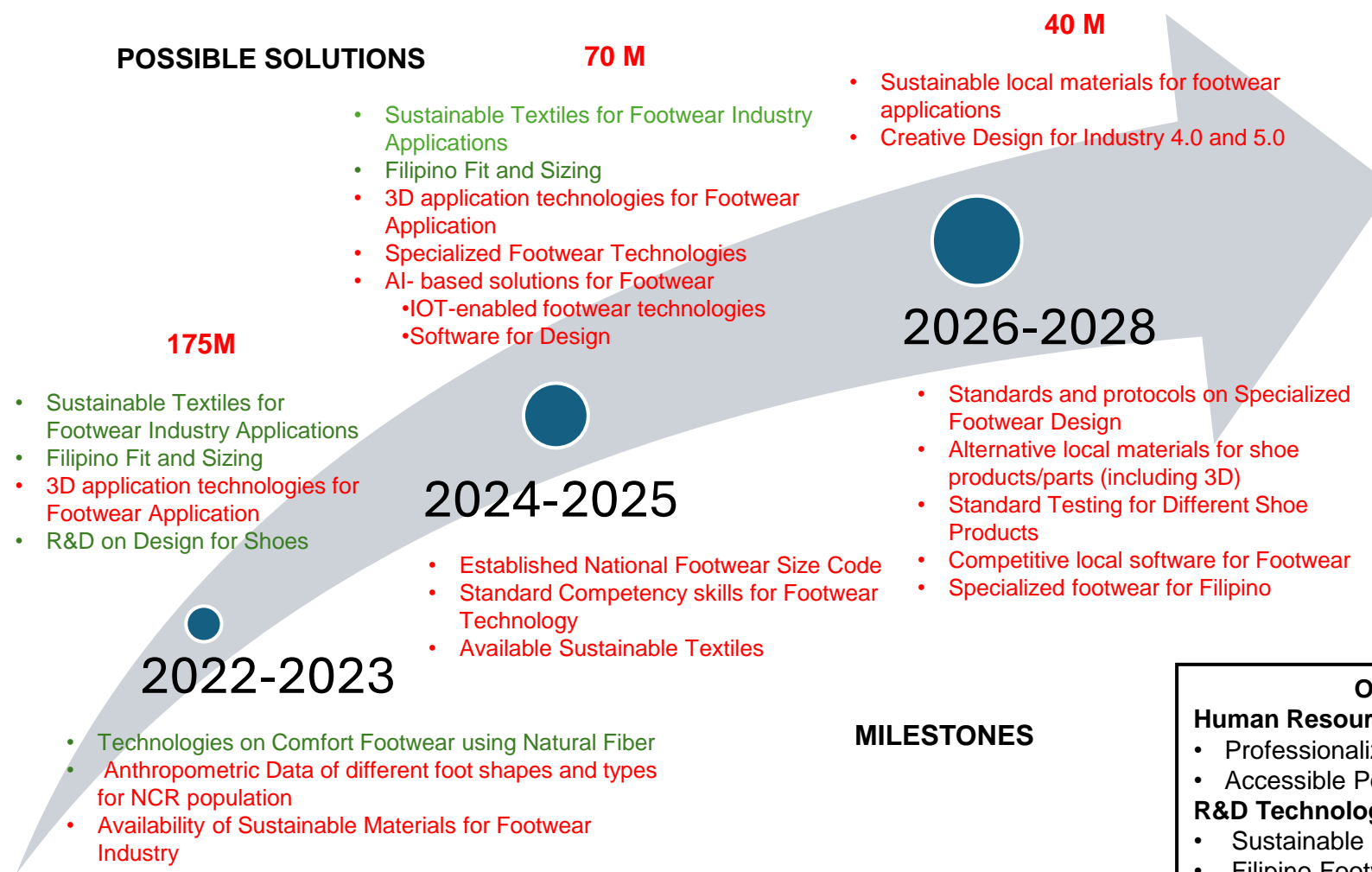
R&D Technologies

- Innovation of locally available products as raw materials
- Integration of indigenous technologies in R&D
- Technology upgrade/ advancement for digital transformation (including ICT and VR)
- Development of local software for design
- R&D on prosthetics/ specialized footwear

Facilities / Services Establishment

- Resource Center for Raw Materials
- Fabrication Laboratories
- R&D Center for local technologies on Footwear
- Development of Database of SMEs and manufacturers
- Development of Software for footwear design and innovation

POSSIBLE SOLUTIONS



- Sustainable Textiles for Footwear Industry Applications
- Filipino Fit and Sizing
- 3D application technologies for Footwear Application
- R&D on Design for Shoes

2022-2023

- Technologies on Comfort Footwear using Natural Fiber
- Anthropometric Data of different foot shapes and types for NCR population
- Availability of Sustainable Materials for Footwear Industry

2024-2025

- Established National Footwear Size Code
- Standard Competency skills for Footwear Technology
- Available Sustainable Textiles

70 M

- Sustainable Textiles for Footwear Industry Applications
- Filipino Fit and Sizing
- 3D application technologies for Footwear Application
- Specialized Footwear Technologies
- AI- based solutions for Footwear
 - IOT-enabled footwear technologies
 - Software for Design

40 M

- Sustainable local materials for footwear applications
- Creative Design for Industry 4.0 and 5.0

2026-2028

- Standards and protocols on Specialized Footwear Design
- Alternative local materials for shoe products/parts (including 3D)
- Standard Testing for Different Shoe Products
- Competitive local software for Footwear
- Specialized footwear for Filipino

VISION

Innovative, design-intensive and sustainable technologies for Philippine Footwear Applications

MILESTONES

Overall Outcomes

Human Resource

- Professionalized workers
- Accessible Pool of Artisan Designers

R&D Technologies

- Sustainable Raw Materials
- Filipino Footwear design

Facilities / Services

- Competitive Local software for footwear



Republic of the Philippines

DEPARTMENT OF SCIENCE AND TECHNOLOGY

PHILIPPINE COUNCIL FOR INDUSTRY, ENERGY AND EMERGING TECHNOLOGY RESEARCH AND DEVELOPMENT

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