

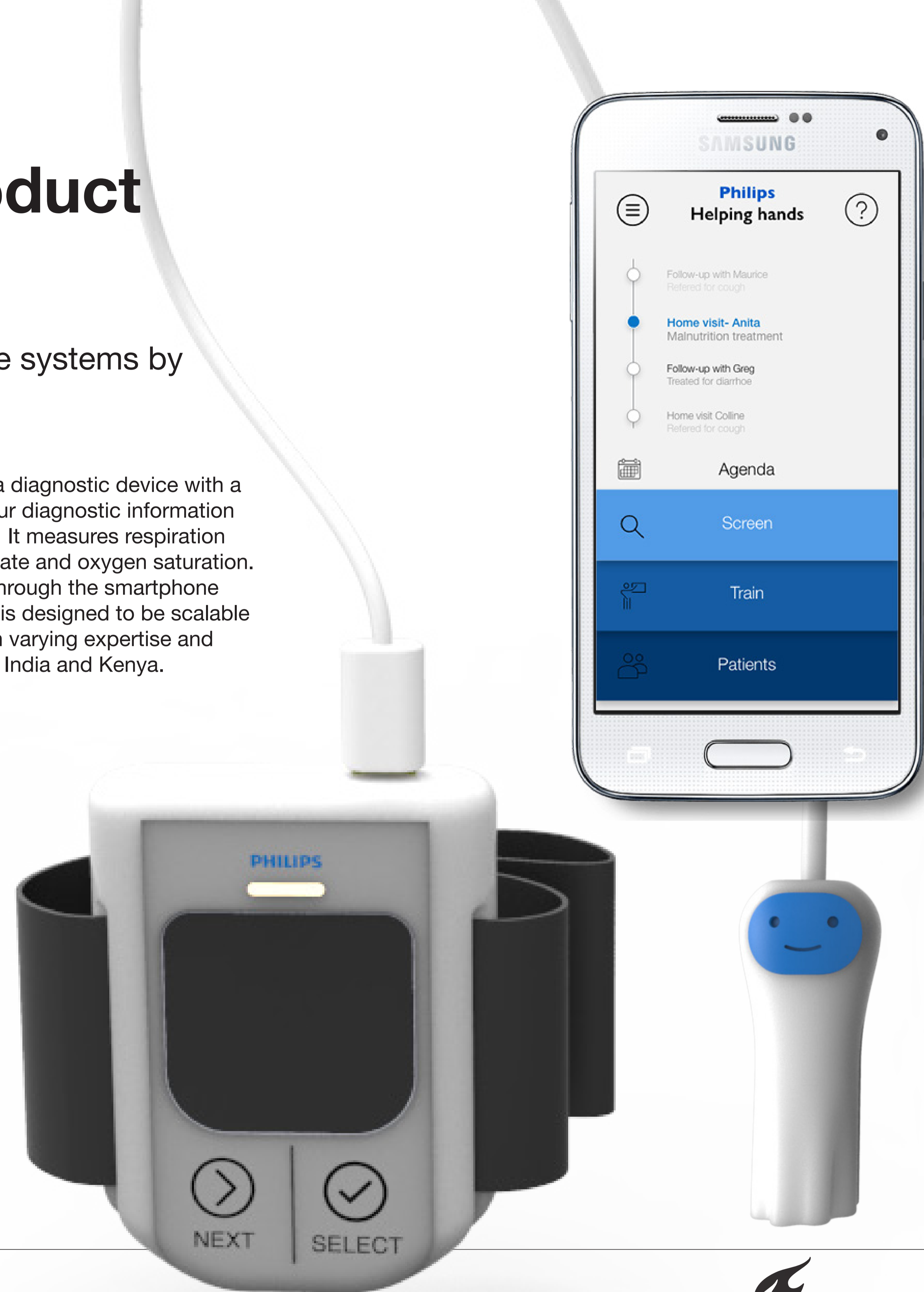
Integrated diagnostic product for emerging markets

Tackling scalability and usability in complex healthcare systems by Context Variation by Design approach

Low and Middle Income Countries (LMICs) face major issues throughout the continuum of primary healthcare for child care (0-5 years). Altogether more than 10 million children die each year in developing countries before they reach their fifth birthday. WHO and UNICEF created an Integrated Management of Childhood Illness (IMCI) strategy to tackle this global issue. This design aims to improve the usability and scalability of this strategy at user level across India and Kenya.

Context Variation by Design approach is used to focus on usability and scalability. In this approach, insights from different contexts are studied to find shared or opposing requirements.

The product consists of a diagnostic device with a capability of providing four diagnostic information within the IMCI workflow. It measures respiration rate, temperature, heart rate and oxygen saturation. The workflow is guided through the smartphone application. The product is designed to be scalable across various users with varying expertise and geographical contexts of India and Kenya.



Vinay M. Bhajantri
Integrated product system for children under five
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Committee J.C. Deihl
J.V. Engelen
Company Pavan Dadlani (Philips research)

TU Delft