R&D phase | Development **Expected Commercialization** | FY27-

Mehr Licht!
More Photonics for Intelligence

#B02

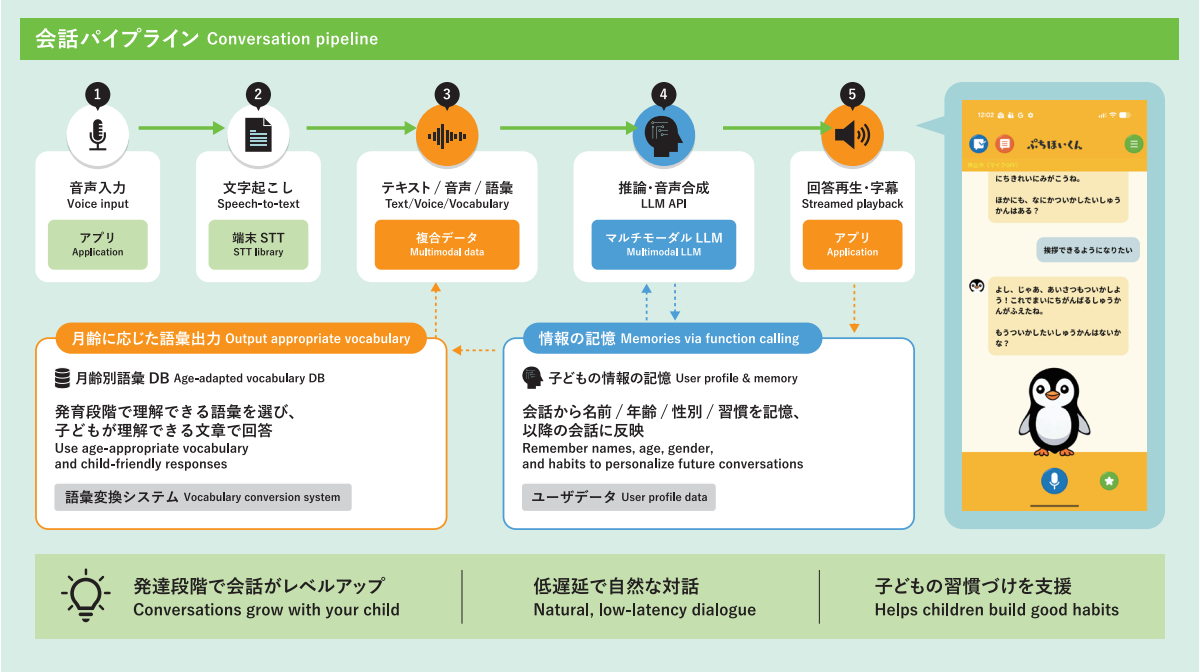
#Educational Equity#Digital Inclusion

A Dialogue System for Preschoolers

Enabling age-adaptive conversations using words children understand

Technical Challenges & Goals

General LLMs offer limited control over output vocabulary, often producing expressions too difficult for preschoolers. Our system combines an age-adapted vocabulary database with an LLM to respond in words suited to each child's developmental stage, ultimately fostering behavioral change such as building daily habits.



Key Technologies

Core Technologies

- Combines a vocabulary DB with an LLM to match responses to each child's developmental stage
- Record each child's information through conversation and adapts outputs to their growth

Key Differentiators

- While typical LLMs have limited output control, this technology adjusts vocabulary in context
- Current services group children by age, our technology adapts vocabulary by month of age

Use Cases

Communication Services

Habit-building support app for preschoolers: A smartphone character talks with each child in age-appropriate words, supporting daily habits like greetings and brushing teeth, encouraging behavioral change while easing the parenting burden.

Exhibitors

Product Marketing Division, NTT DOCOMO, Inc.