

# 2006 IPA Project

## Personal Agent for Non-verbal Online Communication

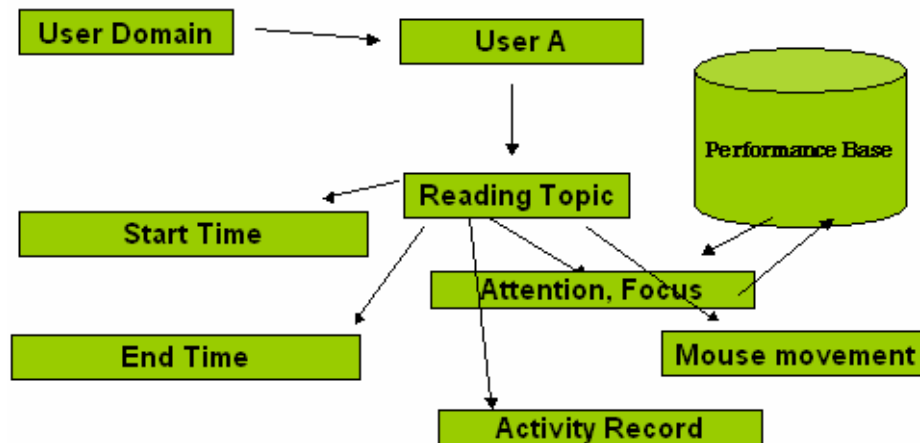
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### ■ Our proposal

- Agent-based online communication system
- To communicate with the group of persons sharing similar interests or experience through Personal Agents

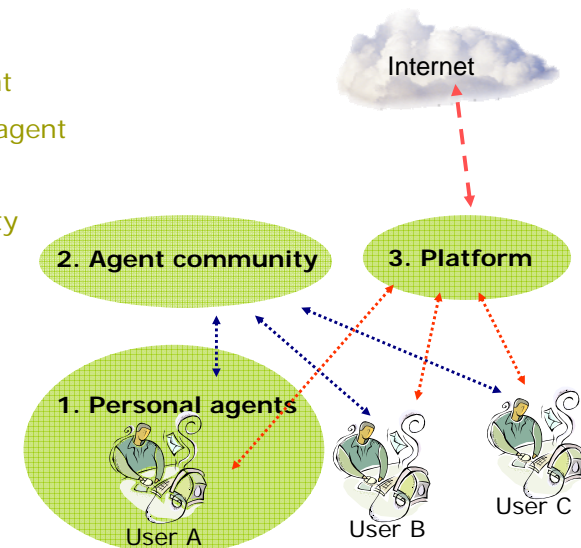
### ■ Applications

- Online education for young people
- Social network for business cooperation. Etc.



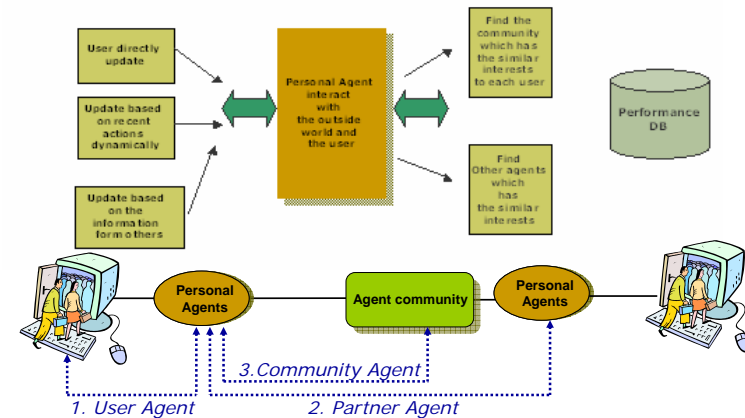
### Structure of System

1. Personal agents
  - Partner agent
  - Community agent
  - User agent
2. Agent community
3. Platform



# Personal Agents

- Each agent is a robot secretary for the user.
- When the user is accessing WebPages, his agent is studying the behavior of the user and updating the database.
- Agent can exchange the information with the virtual community and other agents



- Communications between user and his personal agent (*User Agent*)
- Communications between one agent and others (*Partner Agent*)
- Communications between agent and virtual communities (*Community Agent*)

## Analyses of User actions

Trace/ Movement.Speed	Low	Normal	High
Random	Idle, Less active	Less active	Look around
Following WebPages	Reading slowly	Reading with normal effort and normal confidence	reading fast with confidence
Iteratively Following WebPages	Reading slowly with difficulty/low confidence	Reading with difficulty/high effort/ low confidence	Focusing much and with effort

