

# Cyber Assistant: Interface for Children Online Education

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## Project Summary

1. Multiple Character Agent Interface (Characters change according to the mental state of children)
2. Build Virtual Community: Interaction between multiple learners
3. Usage of ontology to capture the information of the learner and provide contents

Major Contributions

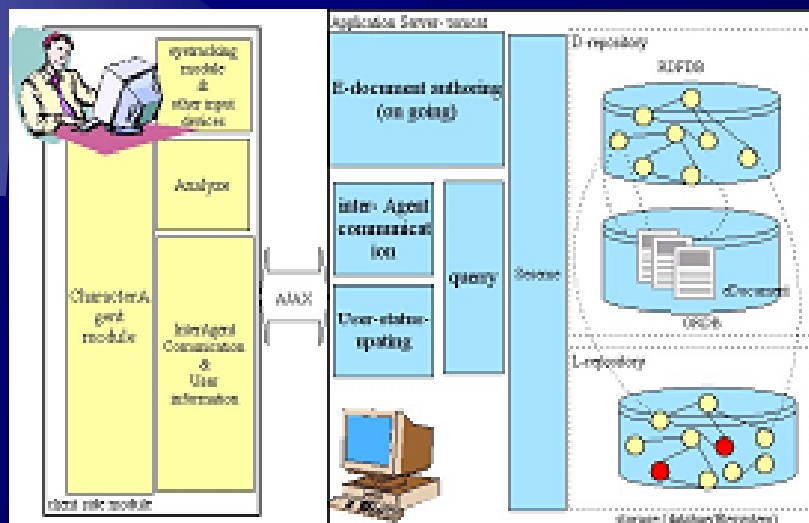


Contents Example

## 開發目標

- Our research questions aims on how to improve the interaction between system and learners, especially by using character agent as a mediator working for multiple learners

How to use agent for multiple learner communication  
IN Multiple Learner Communication Interface , the system use each learner' character agent to exchange learners' interests, attention information. Each learner has a character agent to represent himself.. During the interaction among learners, agents detect learner's status and use multiple data channels to collect learner's information.



System Diagram



## About the Knowledge Base

learners' information is stored in the form of ontology using RDF files. The study relationship between different learners can be traced using the knowledge base