

July 11, 2023  
DIGITAL HEARTS HOLDINGS Co., Ltd.

**AGEST announces the establishment of “AGEST AI Lab.” which will focus on researching and developing AI Technologies aimed at creating AI-based software testing services**

AGEST, Inc. (hereinafter referred to as "AGEST"), a subsidiary of DIGITAL HEARTS HOLDINGS Co., Ltd., announces the establishment of "AGEST AI Lab." that will research and develop AI technologies toward the promotion of AI-based software testing services.

AI technologies are constantly evolving, and in the field of LLM(Large Language Model), there are various methods represented by Few-shot Learning and Fine-Tuning as well as OSS (Open Source Software) . In particular, while it is anticipated that generative AI, typified by ChatGPT, will dramatically change not only products and services but also business models and business processes, we have established the " AGEST AI Lab." responsible for the research and development of AI technologies with the aim of strengthening support for our client companies to make themselves prepare for such changes with the use of AI.

Through the " AGEST AI Lab." we will expand our technologies and expertise in AI applications into various industries and will support our clients toward realizing valuable and effective AI applications.

**■ Use of AI within AGEST**

AGEST has established the infrastructure environment and its own guidelines for employees to safely use generative AI as a measure to ensure that confidential information related to the use of AI is not leaked outside the company.

In this context, AGEST is promoting the use of generative AI within the company and is engaged in research and development of AI technologies.

The recent initiatives include providing its employees with an suitable environment in which they can use generative AI by using its originally developed chat tool. And AGEST has been developing applications to evaluate the latest technologies, carrying out technical verification to support software testing processes, and conducting researches on the quality of AI with the purposes of establishing the testing methods for AI which uses neural networks known as deep learning or structured learning.

**■ Initiatives in “AGEST AI Lab.”**

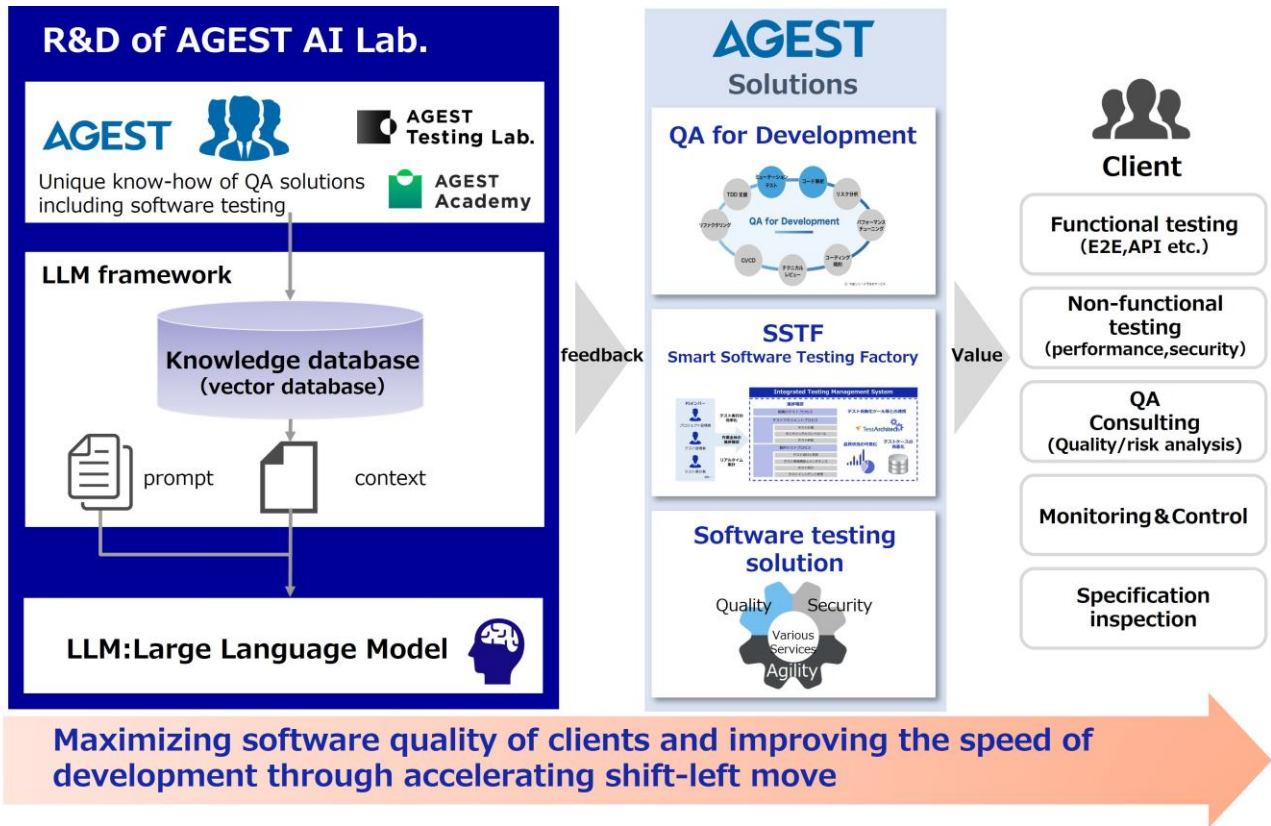
AGEST has accumulated a variety of knowledge including its unique software testing know-how developed through supporting more than 16,000 software testing projects, practical knowledge of each industry’s standard as AGEST Academy, and research results from AGEST Testing Lab. It has established “AGEST AI Lab.” as a team led by Kazutaka Jokura, the Director

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and Executive Vice President and CTO of AGEST, which consists of Next-generation QA engineers and specialists with knowledge of leading-edge quality technology. The team will accumulate the knowledge of AGEST as a vector database and promote research and development of AI technologies. In addition, the research results of "AGEST AI Lab." will be promptly feedbacked to AGEST's solutions and services, thereby contributing to maximizing software quality of its clients and improving the speed of development through accelerating shift-left move.



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**【About AGEST】**

AGEST, with the vision of "Bringing high value and rich experiences through Digital Transformation using advanced QA technology" is contributing to the development of an advanced digital society through the provision of next-generation QA solutions by promoting research on advanced technologies and the cultivation of engineers expected to lead QA teams with the ability to deal with the latest technologies. <https://agest.co.jp/en/>

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