

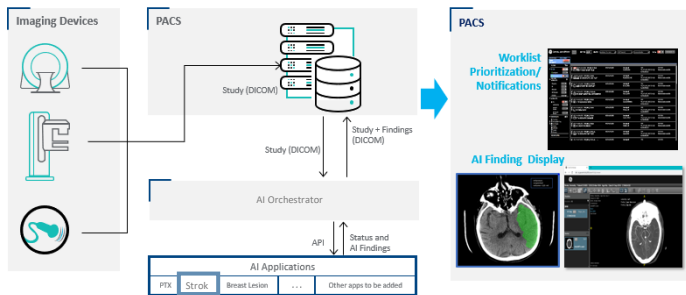
Case Study: AI Orchestration

Client Requirements

Client is a leading medical device manufacturer with a large market share in the imaging space and has a long-standing relationship with CitiusTech

Client wanted product engineering support to integrate its AI based application that was used for stroke detection that will process CT,CTA & MRI images

CitiusTech was selected for this initiative for its expertise in product engineering capabilities in medical imaging domain



Solution Schematic

CitiusTech Services:

- Developed AI Orchestration application to route input and output from AI algorithms
- Enabled AI stroke system to send SMS / Email / pager to configured recipients for positive / negative findings
- The processed image highlighted red color to indicate positive findings and green color for negative finding in the ROI
- Ensured the integration to be interoperable with other imaging modalities & radiological PACS
- Helped the AI orchestration to be deployed on-prem, public & private cloud

Value Delivered:

- Built a Class II medical device as a pilot solution which is easily scalable & secure
- Leveraged CitiusTech accelerators like code quality checkers, QA, automation framework for faster implementation
- Provided regulatory compliance according to ISO 14971, ISO 62304 & ISO 62366