

# Mammography System Customization

Our vision is to inspire new possibilities for the health ecosystem with technology and human ingenuity. At CitiusTech, we constantly strive to solve the industry's greatest challenges with technology, creativity, and agility. Together with the world's leading Healthcare and Lifesciences organizations and our partners, we aim to accelerate the transition to a human-first, sustainable, and digital healthcare ecosystem.

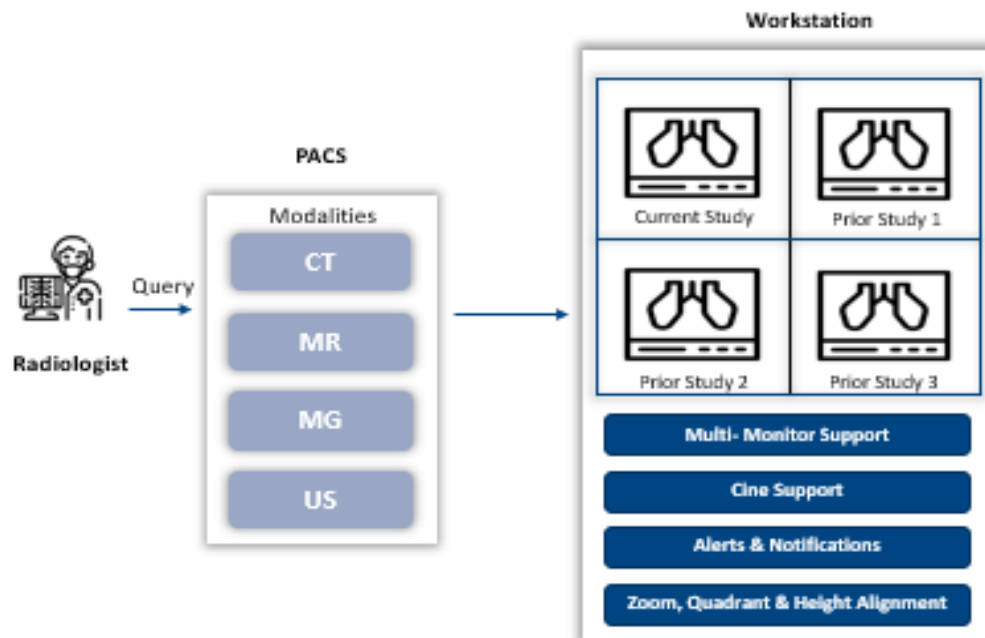
Get in touch: [info@citius.tech](mailto:info@citius.tech)



## Client Requirements

- Client is a leading provider of diagnostic imaging software which provides highly customizable infrastructure for multi-modality viewing, reporting and analytics
- Client required CitiusTech's help to enhance mammography system by enabling radiologists to scroll through 2D comparison studies of breast images from priors to improve study indicators, proper alignment, quadrant breakdown, and zoom between related views/series

## Solution Schematic



## CitiusTech Solution

- Added a feature in PACS to synchronize/ scroll through 2D comparison studies (priors) across different views or frames using their computer mouse and keyboard in both single and multi-monitor setups
- Introduced different scrolling methods which include dynamic scroll, standard scroll, rapid scroll, precision scroll and mouse flythrough with the option to enable or disable scrolling
- Added options for zoom, splitting images into quadrant and height alignment
- Enhanced study indicators to display the prior number and image index
- Added a feature to notify users in case of missing view in the prior images
- Implemented cine support and functionality to sync during scroll off/on for performance improvement

### Value Delivered:

- Delivered **detailed product requirement documentation**, clinical information easy access
- **Enhanced the end user experience**, and enabled better labeling by providing more information about the current position in the stack
- Efficient comparison between images by **adding different image views** such as CC (Cranio-caudal) and MLO (Medio-lateral oblique)
- **Improved workflow** by enhancing study indicator, Customizing scrolling options and optimizing overall performance