

Artificial Intelligence in Health Sector

Artificial Intelligence is making progress in Health Sector in a very fast pace especially in fields like automatically retrieving data, managing Health and Medical resources and more so the best use of Artificial Intelligence is to do things that Human Providers- *even excellent ones*- can not yet do.

Directorate of Health Services Jammu has adopted few of the innovative technologies which are Artificial Intelligence based like **Qure.ai, Alveofit and Tricog** in collaboration with India-Sweden Healthcare Innovation Centre. In this regard a workshop was conducted at Directorate of Health Services Jammu on 25-11-2022, Wherein senior officers of Directorate, Chief Medical Officers, Medical Superintendents and Physicians of Jammu Division attended the Workshop.

Qure.ai taps deep learning technology to provide automated interpretation of X-rays initially, which shall be upgraded to CTs and Ultrasound Scans for time and resource strapped medical imaging professionals enabling faster diagnosis and speedy treatment for at least 30 lung disorders.

Alveofit with the help of inbuilt Intelligent Machine learning system aims to embed latest technological advancements in diagnosing and managing lung disorders and reducing respiratory ailments. The device helps to track lung function and manages respiratory conditions efficiently.

Tricog provides virtual cardiac diagnostic tools that help doctors with timely and accurate ECG diagnosis to detect heart ailments.

Pilot project started at

Qure.ai Govt. Hospital Gandhi Nagar Jammu, DTC Jammu, DH Kishtwar, DH Poonch and DH Reasi

Alveofit..... Govt. Hospital Gandhi Nagar Jammu, DH Kishtwar, DH Poonch, DH Reasi, EH Banihal

Tricog..... Govt. Hospital Gandhi Nagar Jammu, DH Samba, SDH Bishnah, EH Vijaypur



qXR-Qure.ai Software



Alveofit Device



Tricog (ECG)

Artificial Intelligence.....Pilot Project Impact

Adopting Artificial Intelligence, a smart Healthcare technology has revolutionized health services in Jammu Division. A pilot project to evaluate the effectiveness of **qXR-Qure.ai Software, Alveofit Device and Tricog** was started by UT of J&K in collaboration with India-Sweden Healthcare Innovation Centre.

Implementation of Pilot Project in Jammu Division

| Name of Institution | Total No. of Scans till 31 st October 2023 | Name of Institution | Total No. of tests till 31 st October 2023 | Name of Institution | ECG till 26 April 2023 |
|-----------------------------------|---|-----------------------------------|---|-----------------------------------|------------------------|
| Govt. Hospital Gandhi Nagar Jammu | 5180 | Govt. Hospital Gandhi Nagar Jammu | 46 | Govt. Hospital Gandhi Nagar Jammu | 1348 |
| DTC Jammu | 428 | DH Reasi | 15 | DH Samba | 421 |
| DH Reasi | 3207 | DH Poonch | 1537 | SDH Bishnah | 181 |
| DH Poonch | 2426 | DH Kishtwar | 75 | EH Vijaypur | 130 |
| DH Kishtwar | 983 | SDH Banihal | 13 | | |

qXR-Qure.ai

Alveofit

Tricog (ECG)

Conclusion of Pilot Project: During this pilot project, very fast and accurate diagnosis has been made possible helping doctors to treat the patients efficiently and quickly with reduction in turn around time. These software/ devices enabled doctors to work at ease and greater convenience improving clinical interventions effectively.