



**AI in Oncology in collaboration with AIIMS New Delhi:**

- Development of India centric evidence based diagnostic and treatment platform for Breast Cancer, Ovarian Cancer powered by HPC-AI
- Prevention of cancer in high risk patients
- Early diagnosis of cancer patients
- Use of technology like Artificial Intelligence, Machine Learning, Deep Learning, Big Data in cancer research on HPC

**AI in Cancer improves**

- Accuracy of Diagnosis – through Modeling on Radiology – MRI, Mammography & Digital pathology based imaging data
- Prediction of Treatment outcome, Prognosis – using Machine Learning
- Drug Discovery in Oncology
- Next generation sequencing for Oncology

**Current Need**

- Meaningful use of clinical data for precision medicine in Cancer
- Decision support system for diagnosis and treatment of Cancer
- Use of computer vision technique for AI based imaging

**iOncology.ai offers**

- Web based EHR system for Cancer / Proforma for breast and ovarian Cancer
- HPC AI/ML based models integrated with EHR system
- HPC AI based model for classification based on MRI Data along with segmentation
- ML based prediction model based on Mammography report
- Platform for standardizing Proforma based Data collection of cancer – Breast cancer, Ovarian cancer
- AI pipeline with components for Data upload, Model upload, Model re-training, Model validation, Data export, Use Model

**Data and components of project**

