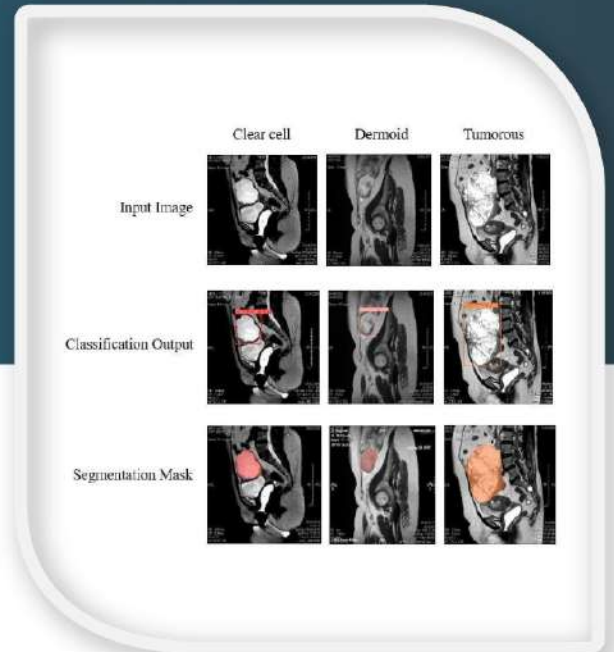


## TECHNOLOGY DEVELOPMENT PROGRAM HEALTHTECH

### O-RADS

AI-Powered Decision Support System for  
Early Gynecological Emergency  
Detection and Prediction



#### Issue Being Addressed

- ▶ Automatic image analysis (ovarian structures) and report generating system
- ▶ To act as a support system for less experienced medical professionals

#### Key Feature of the Technology/Product /App Which is Being Developed

- ▶ A fully automatic system to evaluate radiographic images
- ▶ Generate analysis report efficiently and effectively
- ▶ Deep learning approach to detect, classify and localize the ovarian cyst

#### Impact & Benefits

- ▶ Efficient as well as timely analysis will help to improve patient outcomes
- ▶ Automatic radiographic image analysis for disease detection can help improve healthcare efficiency, reduce waste, and support more sustainable healthcare practices

#### Team

- ▶ **Ms. Veenamol K V**  
Research Scholar
- ▶ **PI: Dr. Lidiya Lilly Thampi**  
Assistant Professor  
Dept. of Computer Science & Engg.

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#### Targeted Customers & End Users

- ▶ Healthcare Industry
- ▶ Healthcare Professionals

#### Commercialization Status

##### Collaborated with

- ▶ NEOS
- ▶ LIRRIS
- ▶ Arpana Hospital

