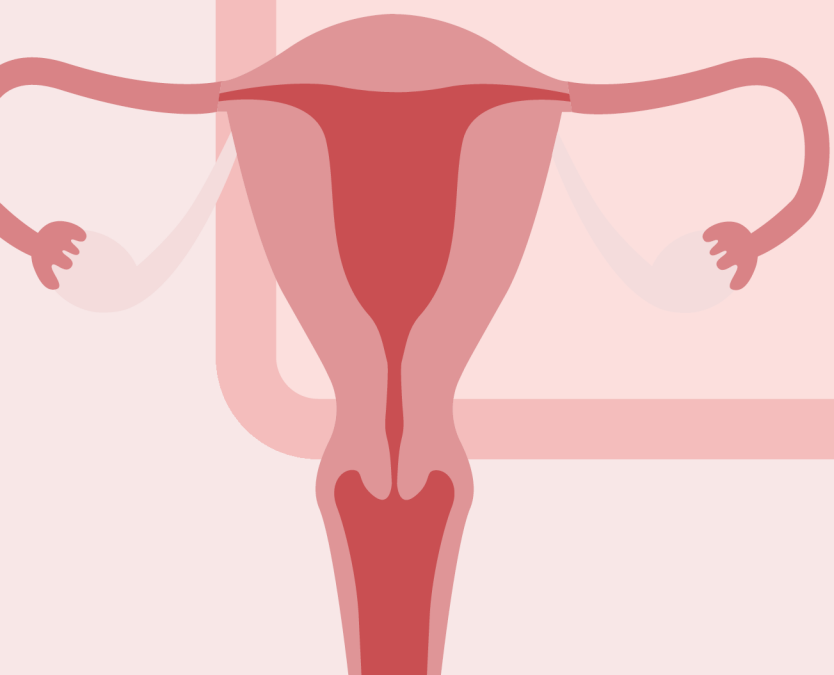
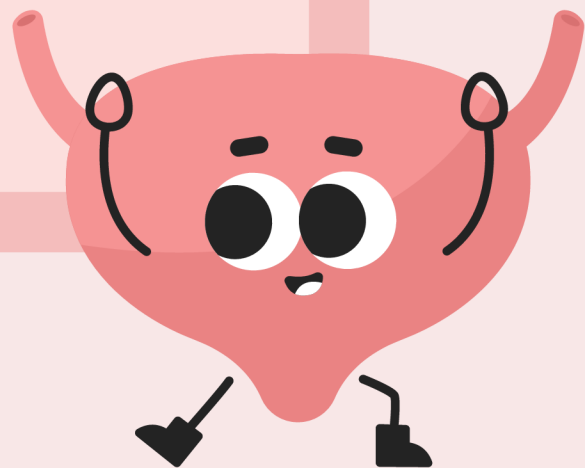


POLYCYSTIC OVARY SYNDROME (PCOS)

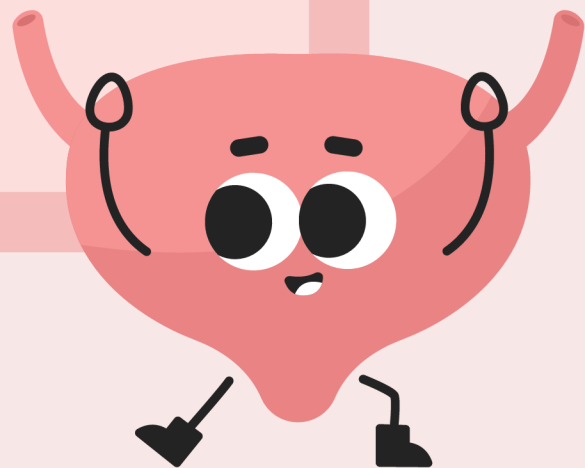
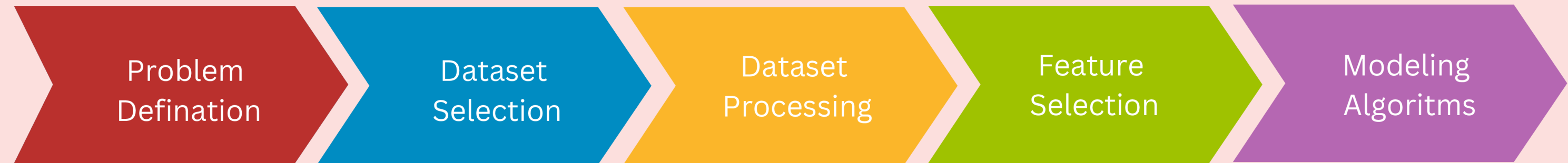
- 4/10 Women Worldwide
- 3X -- Anxiety and depression
- Risk of developing type 2 diabetes
- 70%–80% Experience infertility
- 20% Increase Cancer



- Developed an ML-based system that leverages optimized classifiers to predict PCOS.
- Early detection can help us take required steps.
- The system analyzes a combination of clinical and demographic data to identify patterns indicative of PCOS.



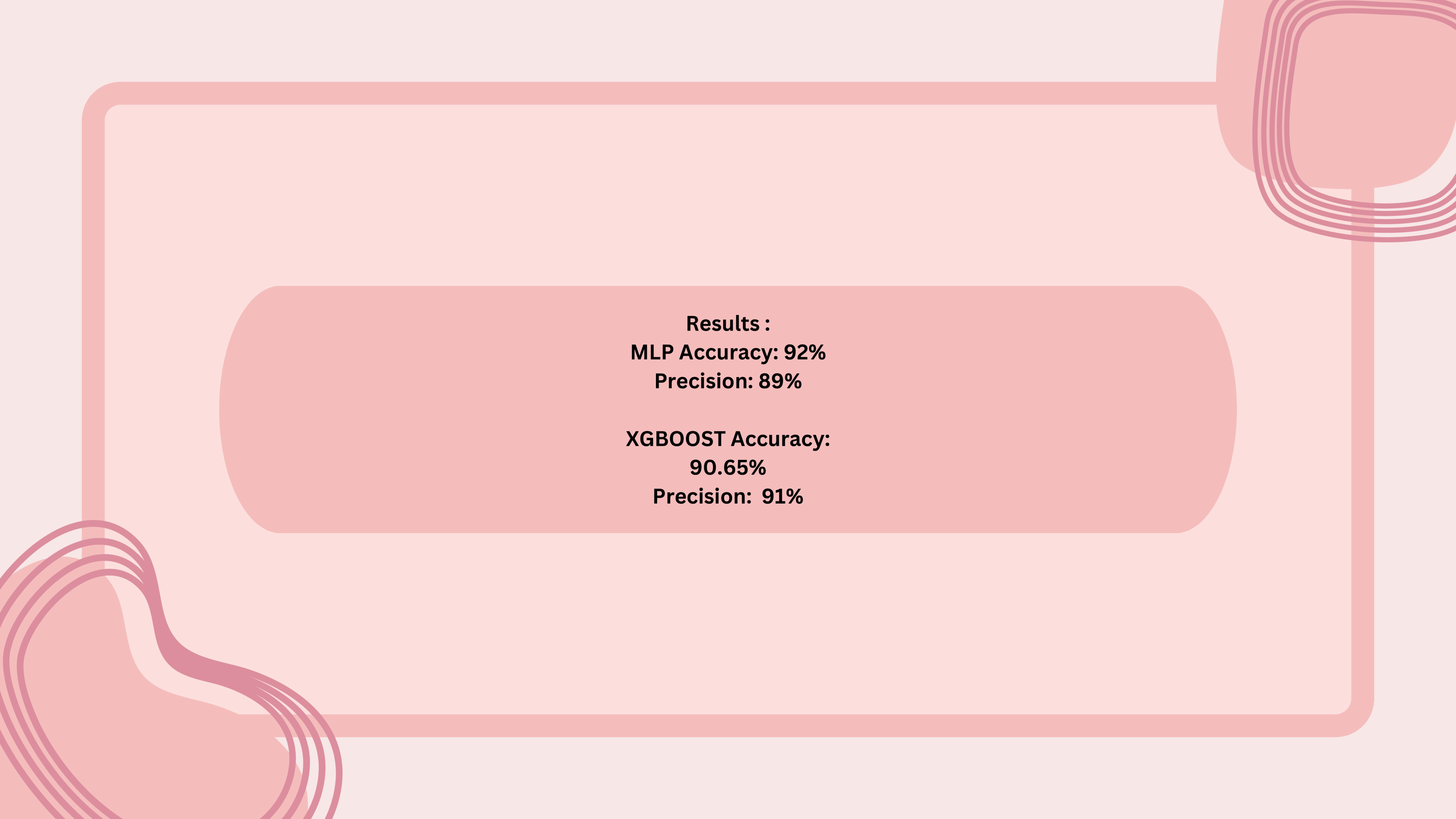
METHODOLOGY



- **Dataset Selection**

A dataset from Kaggle named Polycystic Ovary Syndrome (PCOS). It consists of 541 samples spread across 45 physical and clinical parameters of various patients.

finalized 7 Features out of 35.



Results :
MLP Accuracy: 92%
Precision: 89%

XGBOOST Accuracy:
90.65%
Precision: 91%



THANK YOU

- POC
- Get IRB approval
- work on real anonymous data
- Partner with Hospitals
- make it easily to integrate annual health check up