PROJECT DEMO:

Your project demo will be evaluated based on the following criteria:

Component	Description	Weight
Problem Domain	How novel is application domain? How sound is your justification to use Bayesian network in this domain?	3 points
Bayesian Model Construction	How is the model constructed? How are parameters defined? Comprehensiveness of the model and credibility of the sources used for model construction.	6 points
Results	How is the model evaluated, and results formally verified? Which metrics are used to assess the validity of the model? Has this been benchmarked against something?	6 points

Problem Domain:

1. Related to Public Health Sector, major contribution in underprivileged villages of districts of Sindh
2. Could potentially be linked to Policy Making in Sindh Healthcare
3. First-hand data which had not been worked on before
4. Justification for BN: Identifying causality and can be broadened up to incorporate more factors and their dependencies.

BN Construction:

1. Priors and Level 1 conditionals: from the strp data itself. Since it was not a large dataset, we used basic formula for probability calculation with some baseline probability for parameters which were tested but were not found

Results:

1. Metrics to assess validity: domain experts
2. No such benchmark because there has been no such researches/ data collection done there before.