4. **AIMS AND OBJECTIVES**

The present study will be done on the stool samples of patients of diarrhea with the following objectives:

1. To isolate strains of Diarrheagenic *E.coli* in pediatric patients

2. To assess the antimicrobial susceptibility pattern of more prevalent isolated strains of Diarrheagenic *E.coli*

3. To do the molecular characterization of isolated strains of Diarrheagenic *E.coli* by amplifying multiple targets in a single PCR mixture by using Multiplex PCR