**CHAPTER 1**

**Proposed method**

In this project we are making a SMART Antenna which helps to identify the Brain tumor with very little amount of side effets which are absolutely negligible. The antenna used here is microstrip antenna which is just the size of the 10x10 cm and about 0.5 cm thick. This anteena has bith the transmitter and receiver thus it is know as transiver antenna. The radiation pattern of this kind of antenna has radiation lobes whose main lobe is large enough to negliate other side lobes. Thus they are cancelled. The main lobes of the antenna is mainly used for the transmitter during transmitter process and used as receiver during the receiver process. This makes the microstrip anteena have high gain and less loss of signal.