

## **ABSTRACT**

Femtocell is a small cellular base station, designed for use in residential or enterprise, Connects to the service provider's network via broadband. Femtocell is one type of Indoor network which provide the wireless access within the particular area. Femtocell ensure that they are, carefully planned cellular network. Mobile handsets can handle phone calls through the femtocell, with the broadband internet connection. Femtocell is a device that creates a small area of cellular signal in your home or office. It works through internet connection and convert your cell signal, then send it over the internet to a femto gateway which then sends the signal out from there.it provides excellent coverage and capacity.

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### **List Of Abbrevations**

<b>S No</b>	<b>Abbrevation</b>	<b>Expansion</b>
1	WiMAX	Worldwide Interoperability for Microwave Access
2	LTE	Long-Term Evolution
3	HSPA	High Speed Packet Access
4	DSL	Digital subscriber line
5	3G	Third generation
6	GSM	Global System for Mobile communication
7	GRP	Gross rating point
8	GAN	Generic Access Network

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