**TRANSPERENT SMARTPHONES**

M.Reethu

ECE

GNITS

*[reethugoud123@gmail.com](mailto:reethugoud123@gmail.com)*

**ABSTRACT**

Transperent smartphones allows us to see through the phone and whats been displayed on the glass screen. These smartphones will enhance views of the world with digital images overlaid on the real ones these phones just look like a transperent glass plate but have all features like our smartphones and even more advantages than our rotine ones .They are being designed using the OLED and LCD technologies.

OLED technology which cosists organic light emiting diode has a emissive electro luminescent layer made of organic compound which emits light which responds to electronic light. This technology can not be seen through because of there thickness and due to inebility to emit light on there own but the liquid crystel technology

can be used by backlighting . When power is off,the liquid crystal molecules are in a

P.Maneesha

ECE

GNITS

*[reddymanisha970@gmail.com](mailto:reddymanisha970@gmail.com)*

random orientation and scatter the incident light. And

When power is on,the molecules arrange themselves in a line and allow the light to pass through them.This technology is the cheep alternative to the OLED technology .

Transparent devices have many uses like much more resolution and displays much more realtistic augmented video than which takes the video and adds the suppliments and then displays back on to our screen .

Generally when the user points the camera to a sign board in one language and it automatically gets translated into the language user choice.But in the case of transparent devices there is no need to use a camera.

This technology is expected availabel in three to four years.If this transparent comes into market this would be more cheeper and advance smart phone ever .

Reference : [www.kaist.edu](http://www.kaist.edu)

[www.yankodesign.com](http://www.yankodesign.com)