



**Department of Electronics and Communication
Engineering**

TECHNICAL SEMINAR ABSTRACT

TITLE OF TECHNICAL SEMINAR: SILENT SOUND TECHNOLOGY			
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ABSTRACT:

SILENT SOUND TECHNOLOGY

Silent sound technology SST has being introduced to put end to noise pollution and help the people who have lost their voice and cannot speak on mobile phone. This device is developed at Karlsruhe institute of technology (KMT) and expected to be see in near future. This device will notice the lip movement, in the form of electrical impulse and transfer it to sound speech that can be understood. It will be useful for people who want to make a silent call by just receiving the electrical impulse from lips movement and neglect all other surrounding noise and convert it to sound speech at the receiver ends. It can be used for languages like English, German and French but it cannot be used for language like Chinese because a different tone means different meaning. It will be useful for secrete calling because the caller don't need to utter a word loudly just the lips movement. Silent sound technology (taking without talking) work base on two methods which are electromyography (EMG) and image processing.

