

## CRITERION VII

7.1.10 & 7.1.11

2017-2018

Date : 30.01.2018

Mobile radiation hazards

**Sri GVG Visalakshi College For Women**  
(Autonomous)  
Udumalpet  
Department of Computer Science  
Academic year 2017-2018  
Extension Report

**Class** : III BSc Computer Science 'A' & 'B'

**Total No.of students** : 82

**Name of the School** : SKP, GVG, SVG, RVG, Jallipatti Government Hr. Sec. School.

**Date** : 30.1.2018 & 1.2.2018

The 82 students of III BSc Computer Science 'A' & 'B' have undergone extension activity in SKP,SVG, RVG, GVG, Jallipatti Government Hr. Sec. School in and around Udumalpet on 30.1.2018 & 1.2.2018.

Our students explained the way to limit the usage of mobile phones in the topic of "Mobile Phone Radiations Hazards". Nowadays millions of children are using these devices, which is similar to giving children a two way microwave device that causes severe harm.

There are seven billion mobile phone are in use. All of them are tested to 20 years old standards. These standards are based on the amount of radiation absorbed by a 99.8 kg male who only talks on his phone for a six minute period. That does not represent the exposure that most people, especially young children would be receiving.

So to minimize the mobile phone exposure,

- Avoid carrying phone on your body.
- Use your cell phone on loud speaker or with an air tube head set.
- Put your phone in airplane mode when not in use.
- Keep mobile phones away from you when you are asleep.

**Sri G.V.G Visalakshi College for Women**

**(Autonomous)**

**Department of Computer Science**

**Class : III B.Sc Computer Science A & B**

**Date: 30.01.2018**

**Venue: Sri Visalakshi Girls Higher Secondary School, Udumalpet**

**Programme: Awareness program on "Mobile phone radiation effects on human health"**

With each development in science and technology, there exist some side effects and disadvantages. Mobile phones, Tablets etc., are presently being used by almost all age group of people. Mobile phones use electromagnetic radiation in the microwave range 450-3800 MHz.

Even the parents let their toddlers use these gadgets in order to make them busy in activities. Today let us get awareness on side effects of Mobile phone radiation on human health and precaution measures.

I – pads and other devices are called tablets because they belong to tablets. They have tested 20 cms away from the engineer working on them. They must not approve to be held in little laps of children due to its toxic effects on health.

Nowadays million of children are using these devices, which is similar to giving children a two way microwave device that causes severe harm.

If it is compulsory to give children such devices for learning purposes, it should be given after putting it on airplane mode so that it should not be sending and receiving signals which it does otherwise.

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Mobile phone radiation is highly injurious to membranes of the cell and 4G mobile phone radiations is more toxic than radiation from 3G and 2G phones. Computer modeling shows that mobile phone radiation penetrate almost all the way through the head of a three year old. It is much further than it does in an adults head, and it is also absorbed by fetus.

So, to minimize the mobile phone exposure,

- Avoid carrying phone on your body.
- Use your cell phone on loud speaker or with an air tube head set.
- Put your phone in airplane mode when not in use.
- Avoid using cell phones in cars, elevators and trains.
- Keep mobile phones away from you when you are asleep.

The problem for the average person is their exposure to wireless radiation, which is increasing slowly but steadily over the period.

*V. Jeeva*  
30.1.2018  
**HEADMISTRESS**  
Sri Visalakshi Girls Higher  
Secondary School,  
S.V. Mill Post, Udumalpet - 642 128



**Sri Visalakshi Girls Higher Secondary School, Udumalpet**