

# GETA Young Scientist

## Samsya Khoj Contest

### 1e (First Edition), 24.04.2024

<i>Result</i>	<b>Consolation Prize Winner</b>
<i>Problem Title</i>	<b>Effect of radiation from electronic devices used in daily life is dangerous</b>
<i>Problem Description</i>	<p>Radiation is a noticeable problem for the humans. Every electronic device produces some amount of radiation. Especially in this tech era, we are using so many electronic devices such as smart phones, television and wifi routers that produce huge amount of radiation which can cause deadly long term health issues and even death.</p> <p>An average I phone produces 5.74 W/kg which is 30% more than a human can bear without harm. So many communities are trying to find the perfect solution for this problem. So many countries have strict limits for Radiation. But yet the problem and the effects were not stopped.</p> <p>Radiation is energy from a source (radioactive particles) transmitted in the form of waves or in a stream of particles. Nowadays, the sky is full of radiation resulting in endangering of many living species and a threat to many other species. This problem that I observed as a big threat to the human race and living species can be termed as "SILENT KILLER". Because so many deaths are going into the account of radiation every day rather it is a human or a bird or any other living organism. Radiation can cause damage in our DNA cells. The different cancers caused by the radiation are Leukemia, bladder, colon, liver, lung, Esophagus, ovarian, Myeloma and stomach. High doses of radiation can cause Acute Radiation Syndrome (ARS) and Cutaneous Radiation Injuries (CRI). Midori Naka is the biggest radiation sickness.</p> <p>The impact of this problem is hundreds and more. There is financial loss for cell phone tower companies because of this problem.</p>
<i>Affected Audiences</i>	Humans are the main affecting audience and also small living organisms like birds etc. are badly affected by the problem of radiation. All living organisms are directly or indirectly connected to this problem.
<i>Impact Size</i>	Hundreds and more
<i>Location</i>	Universal
<i>Scope</i>	National
<i>Place</i>	Universal
<i>Occurrence</i>	Frequently
<i>Life risk involved?</i>	Yes
<i>Financial loss or</i>	Lakhs or more

<i>Result</i>	<b>Consolation Prize Winner</b>
<i>Saving potential</i>	
<i>Student</i>	<b>Sreeram Bhargava Taman, 7th Class</b>
<i>School</i>	<b>Sri Chaitanya School, Chirala, Bapatla District, Andhra Pradesh</b>
<i>Guide Teacher</i>	<b>Sreeram Swathi</b>

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