

5G & Internet of Things Technologies could yield high carbon emission savings in the country. Do you agree with this view? Comment.

It is a fact that the next generation always surpasses the previous generation in one way or other in that context the recent 5G & IoT Internet of Things have created a wide range of opportunities which is more efficient & greener

Carbon Savings:

In the recent COP-26 India has announced net-zero by 2070, 45% decrease in carbon intensity & 1 billion carbon reduction by 2030.

Help by Internet of Things (IoT):

→ It is a revolutionary idea to compute the actions with the help of sensors.

i) Walk-in-lights: Lights which turn on & off with the sensor to notice presence of humans, helps in energy savings

ii) Biometrics:

Improves security & helps in Reducing

Documentation of Information, saves paper & Reduction of carbon emissions.

Help of 5-G:

→ compared to the old 4G, 5G is more faster as the same size file can be uploaded/downloaded with less time & hence saves energy.

→ Improvement in connectivity & data transfer helps in reduction of conventional pollution of travel pollution & paper wastage etc

With the Government's new steps on moving towards e-governance like E-NAM helps in reducing much carbon emission & Digital India plans have already aided India in reaching the SDG 12 - Responsible consumption & production of energy helps in reduction of carbon emission India shall reach its goal on target.