



National Telecommunications Institute
For Policy Research, Innovation and Training
(NTIPRIT)



HIPA
LEARN TO GOVERN

HARYANA INSTITUTE OF PUBLIC ADMINISTRATION
GURUGRAM

WORKSHOP ON “5G AND ITS USE CASES” FOR STATE GOVERNMENT OFFICERS

Date : 26.08.2022 | Time: 09:30 - 17:30 Hours IST | Duration: 1 Day

Venue: Haryana Institute of Public Administration, 76 HIPA Complex, Sector 18, Gurugram, Haryana - 122001



5G



INTRODUCTION

Digital India is a flagship programme of the Government of India with a vision to transform India into a digitally empowered society and knowledge economy. The telecom technologies and infrastructure are key and critical components in realising the Digital India goals. The advent of 5G and its possible use cases will further strengthen it.

5G is the fifth generation of cellular network, bringing new capabilities that will create opportunities for people, businesses and society. 5G will provide new opportunities, enabling us to deliver ground breaking solutions that reach across society. It will enable billions of connected devices gathering and sharing information in real time to reduce road accidents; or life-saving applications with lagfree guaranteed connections; or production lines so predictive that they can prevent interruptions well before they occur.

Some of the possible applications may be Smarter electricity grids for greatly reduced carbon emissions, more connected vehicles sharing data to prevent road collisions, faster deployment of emergency services to accidents, connected sensors that can detect and warn of natural disasters early, drones becoming a key tool to accelerate and support emergency situation response, to mention a few. The application of Augmented Reality (AR) and Virtual Reality (VR) will further enhance user experience in many fields.

With this very short but to-the-point designed Workshop, the officers will appreciate the evolution of 5G technology, its use cases in various sectors of economy and its socio-technical impacts. They will be able to apply their knowledge in creating enabling policies for proliferation of 5G and its Use cases in their respective States.

PROGRAM

0930 to 1030 Hrs :	REGISTRATION AND TEA
1030 to 1230 Hrs :	Evolution of Mobile technologies and Services, 5G Key Capabilities and Enabling Technologies In this session, evolution of mobile technologies from 1G to 5G, The key features , capabilities and enabling 5G technologies will be discussed
1230 to 1330 Hrs:	DoT Efforts to develop and proliferate 5G and its Use cases and role of State Government This session will focus on various initiatives taken by DoT to develop, roll out and proliferate 5G and its use cases in different sectors of the economy and role of State Government
1330 to 1430 Hrs :	LUNCH
1430 to 1530 Hrs :	5G Use Cases by Telecom Service Providers / Industries The Telecom Service Providers are doing 5G trials which includes rollout of 5G in trial cities and test various use cases developed by different startups and other companies. The session will demonstrate the use cases tested / under testing in the live 5G Trial Network
1530 to 1600 Hrs :	TEA
1600 to 1700 Hrs:	Open House Discussion The participants will discuss about potential 5G use cases in the specific sector where they are working. It is expected that open house discussion will bring out next step and action points for various sectors which state governments have to take
1700 to 1730 Hrs :	Evaluation and closing