

# Cloud Computing

New opportunities abound for cloud computing to transform business as well as social-sector programmes in country - Discuss.

The Indian government 'VISION INDIA 2022' focus on creating Indian hub for artificial Intelligence, Cloud Computing, Big data Analytics to transform business as well as social-sector programmes in country. NITI Aayog in its Strategic document stress the importance of cloud computing in B2C and DBT in welfare scheme for the marginal people.

Business to Customer opportunities:

1. The Indian market has many B2B and B2C platforms which necessitates the need of digital divide reduction.
2. Thus cloud computing can result in easy and quick access of data storage anywhere so that the business can be seamlessly transformed.
3. (e.g.) Government e - Marketplace - GEM where B2C and B2B business of MSME products anywhere is using Cloud computing to maximize its potential across India.

## Less Cost in Business Opportunities:

1. Usually storage and back~~end~~<sup>up</sup> needs millions of TB as a backend unit.
2. If cloud computing opportunities are applied, there will be reduction in Technical cost as these are done on cloud and hence no maintenance and air conditioning required.
3. (e.g) Google - IBM is transforming India's software infrastructure in cloud computing to reduce cost. as per the Guidelines of NITI Aayog + NASSCOM

## Social-sector - easy Target opportunities:

1. Direct door step data collections, tagging of Geo-resources and its upload to server can be done anywhere using cloud computing.
2. Thus the time for welfare scheme can be reduced and implementation can be fastened.
3. (e.g) SWAMITVA scheme of digital provision of land records is studied to be equipped with cloud computing for maximum potential.

## Concerns and Challenges:

1. India's cloud computing infrastructure is 2.5 bn and only 1% of global cloud computing.
2. Infrastructure, capacity building in Software as a Service (SaaS) is essential for cloud computing.