



# Dr B R Ambedkar National Institute of Technology Jalandhar, Punjab, India Department of Computer Science & Engineering

## Self-Sponsored Online FDP on Cloud Computing and Its Applications: Opportunities and challenges 16<sup>th</sup> – 20<sup>th</sup> December 2022

Website: <https://bit.ly/3AqYU8B>

### ORGANIZING COMMITTEE

#### CHIEFPATRON

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CSE NIT Jalandhar

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Dr. Samayveer Singh  
Dr. Urvashi  
Dr. Amritpal Singh  
Dr. Aruna Malik  
Dr. Prashant Kumar  
Dr. Jagdeep Kaur

#### OBJECTIVE OF THE COURSE

Cloud computing is the biggest buzz in the computer world these days -- maybe too big of a buzz. Cloud computing means different things to different people. Cloud computing is not a small, undeveloped branch of IT. Research firm IDC thinks that cloud computing will reach \$42 billion in 2012. You can do everything on the cloud, from running applications to storing data off-site. You can run entire operating systems on the cloud. Cloud Computing aims to provide computing everywhere. It delivers computing resources on demand over the internet in terms of anything anywhere, anytime concept. It provides everything as a service to its users, like infrastructure platform software, hardware workplace data, and security. Cloud computing has made revolutionary transformations in government and business. Cloud Computing transforms the databases and application software into huge data centers, where the management of the services and data may not be trustworthy.

#### TOPICS TO BE COVERED

The topics to be covered in this FDP are as follows:

- *Basics of Cloud computing and related terminologies.*
- *Contribution of AI/ML/DL in Cloud Computing.*
- *IoT with Cloud.*
- *Scalability and Reliability*
- *Security enforcement Techniques*
- *Edge and Fog Computing.*
- *Hands-on session in Cloud Computing*
- *Green technologies for Cloud, Fog, Edge, and Mobile computing.*
- *Energy-efficient resources provisioning*
- *Scheduling Scheme for time-critical systems*

#### Registration fees:

Faculty, Research Scholars, PG Students	Rs. 300 + 18% GST
NITJ Faculty/Research Scholar and Students	Rs. 200/-

#### Timings:

Session 1: 10:30 AM – 12.30 PM  
Session 2: 02.30PM – 04:30 PM

#### Register on the following link:

[https://www.nitj.ac.in/events\\_registration/fdp\\_cloud\\_computing/login](https://www.nitj.ac.in/events_registration/fdp_cloud_computing/login)

#### Experts

Prof Rajkumar Buyya  
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Prof Mahesh Chandra Govil  
Director, NIT Sikkim



Prof Virendra Singh  
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Dr. Aryabartta Sahu  
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