

One Week Faculty Development Programme

on

*Cloud Computing and Its Applications:
Opportunities and challenges (Online)*

16th December- 20th December 2022

(Self-Sponsored)

Organized by:



**Department of Computer Science and
Engineering**

**Dr B R Ambedkar National Institute of
Technology Jalandhar**

**Grand Trunk Road, Amritsar Bypass,
Jalandhar, Punjab 144011**

Venue: Microsoft Teams

ABOUT NIT Jalandhar

Dr B R Ambedkar National Institute of Technology was established in the year 1987 as Regional Engineering College and was given the status of National Institute of Technology (Deemed University) by the Government of India on October 17, 2002 under the aegis of Ministry of Human Resource Development, New Delhi. Now the Ministry of Human Resource Development, Government of India has declared the Institute as “Institute of National Importance” under the act of Parliament-2007. A large number of reputed Industrial houses in the country visit the Institution and select the final year students as Engineers/ Management Trainees. As one of the National Institutes of Technology (NIT), the Institute has the responsibility of providing high quality education in Engineering, Technology and Sciences to produce competent technical and scientific manpower for the country. The Institute offers B.Tech., M.Tech., MSc, MBA and PhD programme in several disciplines of Engineering, Technology and Sciences.

For more info: <http://www.nitj.ac.in>

ABOUT THE FACULTY DEVELOPMENT PROGRAMME

An intensive Faculty Development Programme is being organized for faculty, research scholars, and students from engineering and technological institutions. It is also open to industry professionals. This program aims to introduce the participants to the amazing world regarding the consumption of network resources and services using Cloud Computing. This FDP serves as a platform to train and educate the industry's research scholars, faculties, and people to interact on cutting-edge technologies in emerging areas. The technical program will include state-of-the-art lectures, discussions/presentations, and/or practical exposure to the related topics with a particular emphasis on the open research challenges and potential future research directions. This FDP can help the participants to understand and implement cloud

computing principles in numerous industries. Participants will gain an in-depth understanding of cloud engineering, design, administration, and much more to address any corporate infrastructure concerns.

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.

FACULTY DEVELOPMENT PROGRAMME CONTENT

*Expert lectures and extensive hands-on sessions
cover following topics:*

- *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*

CHIEF PATRON

Prof. (Dr.) Binod Kumar Kanaujia
Director, NIT Jalandhar

CONVENER

Prof. (Dr.) Geeta Sikka
Head CSE, NIT Jalandhar

Prof (Dr.) H.K. Verma
CSE, NIT Jalandhar

COORDINATORS

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

IMPORTANT DATES

Date of Registration (Open)	19th November 2022
Date of Registration (Close)	14th December 2022
Duration	16th December- 20th December 2022 (05 days)

RESOURCE PERSONS

Eminent academicians affiliated to IITs, IIITs, NITs, other renowned institutes and Industry experts will deliver the sessions with practical demonstrations.

TARGET AUDIENCE

The Registration is open for faculty, industry personnel, doctoral, postgraduate and graduate students related to Computer Science & Engineering. Participants will be admitted on a first-come-first-served basis.

GENERAL INFORMATION

- Limited number of seats

HOW TO APPLY

Registration can be done using the following link
https://www.nitj.ac.in/events_registration/fdp_cloud_computing/login

Expected Audience: Industry Personnel, Faculty, Research Scholars, and M.Tech./B.Tech. Students.

Registration fees:

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

Certificate of participation will be provided online.

For any query, contact:

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