

Short Term Training Programme in
Cloud Computing Fundamentals

Objective:

The course gives an overview of the field of Cloud Computing, and an in-depth study into its enabling technologies and main building blocks, also promotes a better learning environment for students, and create a better working environment for educators.

Learning Outcome:

After the completion of the course, the students will be able to understand the idea behind cloud computing services i.e host web services, store and backup data, host and stream media & many more.

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|----------------------------|-------------------------------|
| Duration (In Hours) | : 5 days / 10 Hours. |
| Course Fees (INR) | : 520/- with GST (18%) |
| Minimum Eligibility | : 12th pass |
| Prerequisite | : Basic Knowledge of Computer |

COURSE OUTLINE

| sno | Modules |
|-----|-----------------------------------|
| 1 | Basic Concepts of Cloud Computing |
| 2 | Cloud Infrastructure |
| 3 | Cloud Storage Management |
| 4 | Building Cloud Networks |
| 5 | Cloud Security |

How to Register:

Please visit www.nielit.gov.in/guwahati --> Go to Student zone --> Admission Notice --> Online Courses

Or

<https://www.nielitassam.net/registration>

Apply by paying the fees online or using the QR code below:



SYLLABUS:

1. Basic Concepts of Cloud Computing

Computer Network Basics.

Concepts of Distributed Systems.

Concepts of Cloud Computing and its Necessity.

Cloud Service Providers in use and their Significance.

2. Cloud Infrastructure

Cloud Pros and Cons.

Cloud Delivery Models.

Cloud Deployment Models.

3. Cloud Storage Management

Concept of Virtualization and Load Balancing.

Overview on Virtualization used for Enterprise Solutions.

Key Challenges in managing Information.

Identifying the problems of scale and management in big data.

4. Building Cloud Networks

Designing and Implementing a Data Center-Based Cloud

Installing Open Source Cloud service.

Amazon Web Services (AWS).

Google Cloud Platform.

5. Cloud Security

Infrastructure Security

Network level security, Host level security, Application level security.

Data privacy and security Issues.

Access Control and Authentication in cloud computing.

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Course start date: 7th June 2021

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