Report on One-week STC
"Mastering Cloud Computing Essentials with AWS"
(HRDC, Integral University, Lucknow, a Remote Center of NITTTR, Chandigarh)
from 3rd March 2025 - 7th March 2025

The Human Resource Development Centre (HRDC) and the Department of Computer Science & Engineering, Integral University, Lucknow, in collaboration with the **National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh**, is organizing an **AICTE-recognized Short-Term Course** through **ICT mode** on **"Mastering Cloud Computing Essentials with AWS"** from **3rd March to 7th March 2025**. As a Remote Centre of NITTTR, this initiative aims to provide comprehensive training on the core concepts of **Cloud Computing**, with a special focus on **Amazon Web Services (AWS)**. The course is designed to enhance participants' understanding of cloud infrastructure, deployment models, cloud security, and scalable solutions—skills that are critical in today's rapidly evolving **Industry 4.0** landscape.

A total of fifteen technical sessions were constituted from a wide variety of topics and each session was led by a team of expert's viz.:

Day 1:
- ➢ Essentials of Cloud by Dr. Mala Kalra– Course Coordinator, NITTTR, Chandigarh
- ➢ Understanding AWS Basics Creating an account in AWS by Dr. Mala Kalra– Course Coordinator, NITTTR, Chandigarh
- ➢ Using EC2 Services by Dr. Mala Kalra– Course Coordinator, NITTTR, Chandigarh

Day 2:
- ➢ Working with Identity and Access Management (IAM) by Dr. Mala Kalra– Course Coordinator, NITTTR, Chandigarh
- ➢ AWS storage services by Dr. Mala Kalra– Course Coordinator, NITTTR, Chandigarh
- ➢ Practice session by Dr. Mala Kalra– Course Coordinator, NITTTR, Chandigarh

Day 3:
- ➢ Working with Amazon VPC by Mr. Vipin Gupta, CEO, U-Net Solutions, Moga
- ➢ Deploying Applications on EC2 and Autoscaling by Mr. Vipin Gupta, CEO, U-Net Solutions, Moga
- ➢ AWS Elastic Load balancing by Mr. Vipin Gupta, CEO, U-Net Solutions, Moga

Day 4:
- ➢ AWS Database Services by Mr. Vipin Gupta, CEO, U-Net Solutions, Moga
- ➢ Serverless Computing using AWS Lamba Function by Mr. Vipin Gupta, CEO, U-Net Solutions, Moga
- ➢ Practice Session by Dr. Mala Kalra– Course Coordinator, NITTTR, Chandigarh

Day 5:
- ➢ AWS IoT Services by Mr. Vipin Gupta, CEO, U-Net Solutions, Moga
- ➢ AWS CloudWatch and Simple Notification Service by Mr. Vipin Gupta, CEO, U-Net Solutions, Moga
- ➢ Valediction and Quiz by Dr. Mala Kalra– Course Coordinator, NITTTR, Chandigarh

A total of **sixty-one participants** benefited from this Short-Term Course. The active engagement and successful execution of the program at **Integral University** received appreciation from **NITTTR Chandigarh**. The course was efficiently coordinated by **Dr. Sheeba Praveen** (Remote Center Coordinator), along with **Dr. Raziqa Masood** and **Mr. Mohd Arif Ali Usmani** from the Department of Computer Science & Engineering and Department of Computer Application, Integral University, who provided dedicated technical and organizational support.

Glimpses of the Event:

2025/3/7 11:05