Self-Study Course

Institutes of Vocational Studies places utmost emphasis on providing necessary support to students, to ensure their self-development, academic excellence, and all-round development the students and college is constantly making efforts. Self- study is a method of learning where students take charge of their own studying outside of the classroom, without direct supervision. This allows the student to take control of how, what, when, and where they learn. This method of studying is preferred by independent learners because they can take learning into their own hands for their professional development. Learners who engage in self-study can enhance their learning experience and improve their studying skills and competencies. IVS motivates future teachers to upgrade themselves by joining such short tenure courses and enhancing their different skills. This learning method encourages learners to go beyond what is available to them in their textbooks and what is taught to them by their instructors. Some benefits of self-studying are:

- Encouraging students to learn more effectively.
- Inspiring curiosity and motivates further discovery.
- Boosting self- esteem
- Strengthening problem solving skills
- Learning at a comfortable pace
- Improving time management skills

In this direction, COMM-IT Career Academy organized a course named amazon web services (AWS) between 7th Feb 2020 till 17th March 2020 in which 30 students of IVS enrolled and successfully completed it. All students were awarded certificate of completion for the same.

AWS Cloud Foundations Course

- **Course Prerequisites**
  - General Required Knowledge
  - IT technical knowledge
  - IT business knowledge

- **Preferred Knowledge**
  - Familiarity with cloud computing concepts
  - Working knowledge of distributed systems
  - Familiarity with general networking concepts
  - Working knowledge of multi-tier architectures

- **Course objectives**

  After completing this course, you should be able to:

  - Define the AWS Cloud.
  - Explain the AWS pricing philosophy.
  - Identify the global infrastructure components of AWS.
  - Describe security and compliance measures of the AWS Cloud includingAWS Identity and Access Management (IAM).

- **Course outline**
  - Module 1: Cloud Concepts Overview
  - Module 2: Cloud Economics and Billing
  - Module 3: AWS Global Infrastructure Overview
  - Module 4: AWS Cloud Security

- **Module 1: Cloud Concepts Overview**

  Module sections:

  - Introduction to cloud computing
  - Advantages of cloud computing
  - Introduction to Amazon Web Services (AWS)
  - Moving to the AWS Cloud – The AWS Cloud Adoption Framework (AWS CAF)

- **Module 2: Cloud Economics and Billing**

  Module sections:

  - Fundamentals of pricing
  - Total Cost of Ownership
  - AWS Organizations
  - AWS Billing and Cost Management
  - Technical support

- **Module 3: AWS Global Infrastructure Overview**

  Module sections:

  - AWS Global Infrastructure
  - AWS services and service category overview

- **Module 4: AWS Cloud Security**

  Module sections:

  - AWS shared responsibility model
  - AWS Identity and Access Management (IAM)
  - Securing a new AWS account
  - Securing accounts
  - Securing data on AWS
  - Working to ensure compliance.