K Tech Center of Excellence has collaborated with AWS Educate Program to drive Cloud Literacy & Foundation in Cyber Security Program across the state of Karnataka for the Engineering & Polytechnic students. The objective of the collaboration is to help the learners building the relevant skills in the domain of Cyber Security & Cloud Computing.

Program Name: Cloud Literacy Program

About the Program:

This course explores cloud computing models and Amazon Web Services (AWS) fundamentals. The program also covers the basic level of understanding of important cloud security concepts.

Learning Audiences:

Cloud Literacy

Any engineering/ Polytechnic Student (preferably- 1st year student)

Pre Requisites:

- Basic knowledge of Windows/ Linux operating systems
- Working knowledge of any web browser
- AWS Educate membership. Instructions will be provided by the college on how to register in the program.

Program Name: Foundation in Cyber Secuirty

About the Program:

As the world becomes more connected, security will continue to be a foundational element of technology. Cybersecurity specialists use their expertise to identify security risks and protect computer systems, networks, applications, and data. This program focuses on the skills and expertise cybersecurity specialists use to keep user information safe in the cloud, including network protocols, coding, and risk identification and management.

Learning Audiences:

Foundation in Cyber Security

3rd year students from any engineering / polytechnic branch

Pre Requisites:

- Basic knowledge of Windows/ Linux operating systems and working with any browser
- Theoritical concepts of computer networks , ISO-OSI layers and networking protocols
- AWS Educate Membership. Instructions will be provided by the college on how to register in the program.

AWS Educate Program

The AWS Educate program ("AWS Educate") is Amazon's global initiative to provide students and educators with the resources needed to greatly accelerate cloud-related learning and to help power the workforce of tomorrow. The program offers a robust set of no-cost tools, resources, and AWS Promotional Credits for students and educators to skill up on the cloud.

Students receive several benefits upon approval into AWS Educate:

- AWS Promotional Credits to explore AWS tools and service
- Specialized content & hands-on activities designed to get students comfortable with the basic of cloud computing
- Access to 12 Cloud Career Pathways covering in-demand topics such as machine learning, cybersecurity, and software development, each with 30+ hours of content
- Ability to earn AWS badges for different competencies such as IoT, gaming, and Alexa skills
- The AWS Educate job board with job and internship opportunities from Amazon and other companies in the AWS Partner network

Student interaction with AWS Educate is focused initially on learning pathways to enable students to understand AWS technology and how these skills relate to in-demand career opportunities.

To learn more about the AWS Educate program, visit www.awseducate.com

Learning Outcome :

After completing the the Cloud Literacy Program, students will be able to understand the fundamental concepts of cloud computing, networking, cybersecutity, and data analysis on the cloud. The objective of launching the Cloud Literacy Program is to lay the technical foundation of cloud computing.

The Foundation in Cyber Security course focuses on at the basic need of the learners to understand the importance of the componets around the security domain. Additionally, cloud security is also covered in the learning program.

Benefits for Students

- The program enables students to build basic cloud computing skills. After successful completion, learners will receive an AWS Cloud Badge.
- Each student from an AWS Educate member institute is eligible to receive AWS Promotional Credit on enrollment.

Program Support

K Tech Center of Excellence in Cyber Security will provide the the step by step process to join AWS Educate at the college level. Students will require the domain email IDs of their resepctive Institute to join the program.

A detailed list of Frequently Asked Questions have been provided in the following link –

[AWS Educate Frequently Asked Questions](#)