



KAMMAVARISANGHAM(R)-1952

# KS INSTITUTE OF TECHNOLOGY

(NAAC , NBA Accredited, Affiliated to VTU, Belagavi & Recognised by AICTE, New Delhi)

#14, Raghuvanahalli, Kanakapura Road, Bengaluru-  
560109 Tel: 080-28435722/24 Web: www.ksit.edu.in

The Management, CEO, Principal & Staff  
Cordially invite you for the inaugural  
function of

## STUDENT ENABLEMENT PROGRAM

for

## "WOMEN EMPOWERMENT"

on

Thursday, 16<sup>th</sup> March 2023 at 9.30am  
in Conference Hall, KSIT

### Chief Guest

**Mr. D. Vishnu Prasad,**

State Head Karnataka, ICT Academy

### Presided by

**Dr. Dilip Kumar K**

Principal/Director

Dr. Chanda V. Reddy,  
Prof, Dept. of ECE,  
Coordinator

Dr. Rekha B Venkatapura  
Prof & Head CSE Dept.

Dr. P. N. Sudha  
Prof & Head ECE Dept.



Kammavari Sangham(R)1952  
**K. S. INSTITUTE OF TECHNOLOGY**

Approved by AICTE, New Delhi, Affiliated VTU, Belagavi, Karnataka, Accredited by NACE & NBA (DEPT. OF CSE, ECE, ME)  
#14, Raghuvanahalli, Kanakapura Main road, Bangalore-560109  
Tel : 28455723 Email : principal@ksit.edu.in Web : www.ksit.edu.in



ICTACADEMY



## STUDENT ENABLEMENT PROGRAM

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### “WOMEN EMPOWERMENT”

on

Thursday, 16<sup>th</sup> March 2023 at 9.30am

in Conference Hall, KSIT

### INAUGURAL PROGRAM SCHEDULE

9.30 am	Inaugural Function Start	R.Amulya, 8th semester ECE student
9.32 am	Invocation Song	Bhoomika and Sanjeev, 8th semester CSE Students
9.34 am	Welcome Address	Dr.P.N.Sudha, Prof & HOD-ECE,KSIT.
9.36 am	Light the Lamp	Dignatrics on the stage
9.38 am	Introduction of the Chief Guest	Gagana sindhu, 3rd semester student
9.40 am	Address by Chief Guest	Mr. D. Vishnu Prasad, State Head Karnataka, ICT Academy
9.50 am	Address by Principal	Dr. Dilip Kumar K, Principal/Director
9.52 am	Vote of Thanks	Dr. Rekha B Venkatapura Prof & Head CSE Dept.

Date: 14/3/ 2023

To,  
The Principal  
KSIT, Bangalore

Respected Sir,

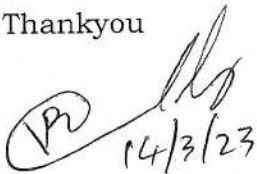
Sub: Permission to organize 20 days student enablement program for  
Women empowerment on "**Networking**"

With reference to the above subject, we would like to organize a **20 Days student enablement program on "Networking"** from 16<sup>th</sup> March to 6<sup>th</sup> April 2023. This is an internship program which will be conducted in association with KSIT. The financial expenses for organizing this event are as mentioned below.

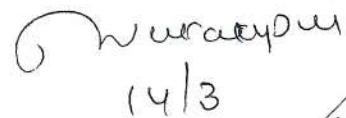
Bouquet-3,Lamp, flower	500	5,00/-
Banner	4*625	2,500/-
Breakfast & tea for 4 people on 16 <sup>th</sup>	500	5,00/-
Tea for 2 resources persons (20 days)	2*20*20	8,00/-
High Tea for Participants	120*20	2,400/-
<b>Grand Total</b>		<b>6,700/-</b>

Kindly Permit and do the needful.

Thankyou

  
14/3/23

  
14/3

  
14/3

Forwarded to Secretary for kind approval

  
14/3/23

  
15/03/23



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**Dr. P. N. Sudha**  
Prof & Head ECE Dept.



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S.No	Reg Id	First Name	Email ID	Mobile No	ugdept	ugyo p	ugm arks	pgin st	pgdeg	pgdept	pgyop	colleg e_name	Stat e1	course	Status	photo Link
1	140420	Meghana	meghanahp071201@gmail.com	8088645882	ECE	2023	72		Select Degree	Select Department	2023	KS Institute Of	Karn ataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
2	140423	Pokuri	pokurimounika7@gmail.com	6303247782	ECE	2023	76		Select Degree	Select Department	2023	KS Institute Of	Karn ataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
3	140665	Anitha	anitha24122001@gmail.com	9902432442	ECE	2023	74		Select Degree	Select Department	2023	KS Institute Of	Karn ataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
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5	140452	Shree	shreeraksha734@gmail.com	7349525941	ECE	2023	7		Select Degree	Select Department	2023	KS Institute Of	Karn ataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
6	140692	Sindhu	sindhujayaram1412@gmail.com	9686226229	ECE	2023	65		Select Degree	Select Department	2023	KS Institute Of	Karn ataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
7	140453	Jahnavi	ramakrishnajahnavi@gmail.com	9686488188	ECE	2023	72		Select Degree	Select Department	2023	KS Institute Of	Karn ataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
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9	140457	Dharmavarapu	prathyusha.d01122@gmail.com	9390811422	ECE	2023	7		Select Degree	Select Department	2023	KS Institute Of	Karn ataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
10	140913	Ramya	ramyasree24112000@gmail.com	9606368444	ECE	2023	65		Select Degree	Select Department	2023	KS Institute Of	Karn ataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>

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13	140459	Prathyusha	prathyuprathyushsa@gmail.com	8431290678	ECE	2023	6		Select Degree	Select Department	2023	KS Institute Of	Karnataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
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19	140982	R	sasikalasasi1515@gmail.com	9618109421	ECE	2023	68		Select Degree	Select Department	2023	KS Institute Of	Karnataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
20	140477	Saicharitha	saicharithay@gmail.com	9353733662	ECE	2023	73		Select Degree	Select Department	2023	KS Institute Of	Karnataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>

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21	140721	Gowthami	gowthamiammu05@gmail.com	7349143180	ECE	2023	60		Select Degree	Select Department	2023	KS Institute Of	Karnataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
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29	140985	DeepthiShrie	deepthisonu0@gmail.com	8951847913	ECE	2023	72		Select Degree	Select Department	2023	KS Institute Of	Karnataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
30	140999	Shubha	shubhareddy581@gmail.com	9380566744	ECE	2023	62		Select Degree	Select Department	2023	KS Institute Of	Karnataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>



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33	140513	Geervani	anipakulageervani@gmail.com	9160365033	ECE	2023	71		Select Degree	Select Department	2023	KS Institute Of	Karnataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
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35	140527	Sneha	dhanushreeravil1107@gmail.com	9900159685	ECE	2023	70		Select Degree	Select Department	2023	KS Institute Of	Karnataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
36	140529	Rajalakshmi	rajhisri@gmail.com	7094709408	ECE	2023	80		Select Degree	Select Department	2023	KS Institute Of	Karnataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
37	141618	Sai	sai.som2001@gmail.com	8105575992	ECE	2023	8		Select Degree	Select Department	2023	KS Institute Of	Karnataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
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40	140559	Vandana	vandanasudhakar11@gmail.com	9380946619	ECE	2023	78		Select Degree	Select Department	2023	KS Institute Of	Karnataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>

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43	140587	Aishwarya	aishwaryamg232@gmail.com	8050289528	ECE	2023	78		Select Degree	Select Department	2023	KS Institute Of	Karn ataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
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50	143851	BY	harshithasharma86@gmail.com	7829854715	ECE	2023	80		Select Degree	Select Department	2023	KS Institute Of	Karn ataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
51	140828	Vandana	vandu12312@gmail.com	7899246768	ECE	2023	89		Select Degree	Select Department	2023	KS Institute Of	Karn ataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>

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52	142201	RANJANA	ranjanapranju2000@gmail.com	8105356797	ECE	2023	60		Select Degree	Select Department	2023	KS Institute Of	Karnataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
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54	140618	Kavya	kavyachandrashankar@gmail.com	6360925388	ECE	2023	8		Select Degree	Select Department	2023	KS Institute Of	Karnataka	Certificate Course	Not Moved	<a href="http://www.ictacademy.in/Projects/upload/">http://www.ictacademy.in/Projects/upload/</a>
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**STUDENT ENABLEMENT PROGRAM**  
for  
**“WOMEN EMPOWERMENT”**

**Inauguration Function**

**Date of Conduction:** 16<sup>th</sup> March 2023

**Venue:** Conference Hall

**Time:** 10 am to 12 pm

**Duration:** 2 hours

**Sponsoring Bodies / Associating Organization:** **CSR Initiative by PayPal and  
Implemented by ICT ACADEMY.**

**Guest Details- Name:** **Mr. D. VISHNU PRASAD**

Designation: **State Head Karnataka**

Organization: **ICT Academy**





## **Description of the Event:**

The **Student Enablement Program**, launched by ICT Academy in collaboration with PayPal as part of their CSR initiative, aims to enhance the technical skills of students and make them industry-ready in emerging technologies. The program is open to final year women students and graduating youth from higher education institutions in Tamil Nadu, Karnataka, and Telangana.

The key features of the program include 140 hours of training divided into 100 hours of technical skills and 40 hours of professional skills development. Additionally, Centers of Excellence for Women Empowerment and Youth Empowerment will be established in 25 colleges, empowering 2500 students and 100 faculty members with industry 4.0 skills.

Upon completion of the program, students will receive a joint certificate from PayPal and ICT Academy, and placement facilitation will be provided.

The activities of the Centres for Women Empowerment (CWE) and Youth Empowerment (CYE) include training 100 pre-final year girl students or graduating youth from higher education institutions in advanced technology courses. After the training, an online assessment will be conducted, and joint certification will be awarded. Exclusive placement drives will be organized for the participants, and annual technology hackathons will be held to showcase their skills and recognize winners. The program also aims to inspire and empower students through success stories of women leaders from PayPal and other corporates. Institutions that actively participate in the program will receive special recognition.

Overall, the Student Enablement Program aims to bridge the skill gap and meet the increasing demand for skilled professionals in emerging technologies by providing comprehensive training, industry exposure, and placement support to students, thereby empowering them for successful careers in the digital age.

**Participant details** – No. of participants: 105 girls of Final semester of various departments.

Photos:



## **TECHNICAL TRAINING**

**Date of Conduction:** 20<sup>th</sup> March 2023 – 05<sup>th</sup> April 2023

**No. of Days:** 15 Days

**Time:** 09 am to 04 pm

**Duration:** 6 hours

**Break:** 1 hour

**Venue1:** CP Lab

**Participant details** – No. of participants: 52 girls of Final semester of various departments.

**Trainer Details-**

Name: **AASHU DEV**

Designation: **AWS Academy Accredited Educator.**

**Venue2:** Online Lab

**Participant details** – No. of participants: 52 girls of Final semester of various departments.

**Trainer Details-**

Name: **MADHAN S**

Designation: **AWS Academy Accredited Educator**

### **Description of the Training:**

The students greatly benefited from their interactions with both mentors, as they received not only technical guidance but also support in shaping their career paths.

In the CP Lab, **Ashu Dev** sir, an experienced cloud architect, led engaging and hands-on training sessions that allowed students to explore different aspects of cloud computing using the AWS console. Alongside technical knowledge, Ashu Dev sir motivated students in their personal and professional growth through his own experiences. He provided individual attention, assisting students in debugging errors and ensuring a comprehensive understanding of the subject matter. The mentor also organized a competition where students used AWS icons to construct a cloud architecture, and eight students were declared winners and awarded AWS exam coupons.

In the Online Lab, **Madhan S** sir demonstrated exceptional interaction skills, delivering comprehensive training on cloud architecture. His guidance not only motivated students to

## Felicitation ceremony

**Date of Conduction:** 05<sup>th</sup> April 2023

**Venue:** Online Lab

**Time:** 03 pm to 04 pm

**Duration:** 1 hours

**Participant details** – No. of participants: 104 girls of Final semester of various departments.

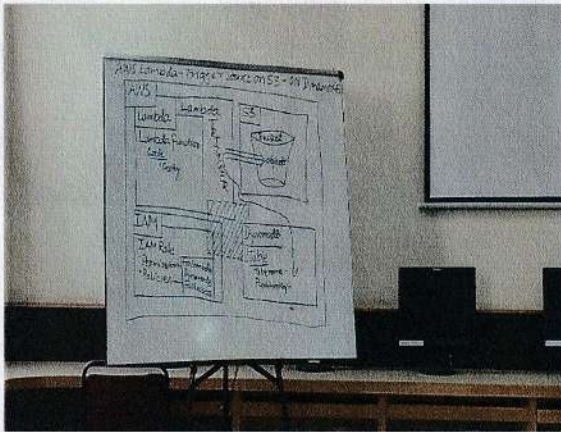
**Photos:**



tackle challenges but also encouraged them to design their own cloud architectures. Through practical exercises and problem-solving, students gained valuable experience in optimizing cloud performance by exploring various components and services such as virtual machines, storage, networking, and scalability. Madhan S sir's mentorship and emphasis on active learning fostered a positive environment, equipping students with practical skills and confidence for future endeavours in the field of cloud computing.

Overall, the student enablement program, with the support of these mentors, provided female students with valuable hands-on training, mentorship, and motivation in AWS cloud computing. This empowered them to enhance their skills and pursue successful careers in the field, setting them on a path towards personal and professional growth.

**Photos:**



## **SOFT SKILLS TRAINING**

**Date of Conduction:** 10<sup>th</sup> April 2023 – 15<sup>th</sup> April 2023

**No. of Days:** 05 Days

**Time:** 09 am to 04 pm

**Duration:** 6 hours

**Break:** 1 hour

**Venue:** CP Lab

**Participant details** – No. of participants: 50 girls of Final semester of various departments.

### **Trainer Details-**

Name: **JAHIRAL BANU**

Designation: **Career Coach, Image Consultant, and Soft Skills trainer**

Name: **SUSHMA SADALAGE**

Designation: **Soft Skills Trainer and International Coach**

### **Description of the Training:**

In the Student Enablement Program, Jahiral Banu and Sushma Sadalage served as the soft skills trainers, providing a dynamic training program aimed at enhancing various essential skills such as communication, leadership, problem-solving, adaptability, and critical thinking. Their training sessions were highly interactive, involving discussions, group activities, and feedback sessions to ensure active engagement from the students.


The trainers focused on providing practical strategies and tools that students could apply in real-life situations. Practical exercises and real-world scenarios were utilized to reinforce the learning and application of these skills. Additionally, the trainers offered guidance on building resumes using Canva templates, equipping the students with the necessary tools to showcase their skills effectively.

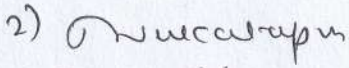
One of the notable aspects of the training program was the lively and engaging environment created by Jahiral Banu and Sushma Sadalage. They incorporated fun and knowledge-gaining activities after explaining each soft skill, making the learning experience both enriching and enjoyable. This approach helped students remember and implement the acquired skills in their daily lives.

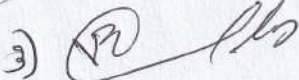
Overall, the soft skills training provided by Jahiral Banu and Sushma Sadalage in the Student Enablement Program proved to be a valuable addition. The program equipped the students with practical strategies, tools, and the confidence to enhance their communication, leadership, problem-solving, adaptability, and critical thinking skills. The interactive and engaging training sessions facilitated personal and professional growth, preparing the students for success in their future careers.

**Photos:**



1)   
Coordinator

2) 

3) 

  
Principal  
PRINCIPAL  
K.S. INSTITUTE OF TECHNOLOGY  
BENGALURU - 560 109.

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**  
“JNANA SANGAMA”, Belagavi-590018



**INTERNSHIP REPORT**  
**ON**  
**“STUDENT ENABLEMENT PROGRAM**  
**for**  
**WOMEN EMPOWERMENT”**

*Internship Report submitted in partial fulfilment of the requirements for the award of the degree of*

**BACHELOR OF ENGINEERING**  
**IN**  
**COMPUTER SCIENCE AND ENGINEERING**

Submitted by

**MANASA G L**  
**1KS19CS052**

*Internship Carried Out under the guidance of*

A CSR initiative by



Implemented by



**K. S. INSTITUTE OF TECHNOLOGY**

#14, Raghuvanahalli, Kanakapura Road, Bengaluru- 560109

2022-2023



## **EXECUTIVE SUMMARY**

The Student Enablement Program Initiative, implemented by ICT Academy in partnership with PayPal, is a comprehensive program specifically designed for women students in their final year of engineering, focusing on cloud computing. The program aims to empower and equip these students with the necessary skills, knowledge, and opportunities to succeed in the rapidly evolving field of cloud computing. Through a tailored curriculum, specialized training sessions, and mentorship programs, the initiative aims to enhance the technical proficiency and career readiness of women students. It also provides industry exposure and networking opportunities, bridging the gender gap and promoting diversity and inclusivity in the technology sector. Ultimately, the Student Enablement Program Initiative aims to enable women students of final year engineering to thrive in cloud computing, increasing their employability and contributing to a more inclusive and diverse tech industry.

By combining the expertise of PayPal and ICT Academy, the Student Enablement Program Initiative offers a unique and comprehensive learning experience for women students in their final year of engineering. The program is designed to address the specific challenges and opportunities in cloud computing, providing a supportive environment where women can develop their skills, gain industry exposure, and build valuable networks. Through a customized curriculum, hands-on training, mentorship, and industry collaborations, the initiative equips women students with the necessary technical knowledge and professional skills required to excel in the field. By focusing on empowering women and promoting diversity, the program contributes to a more inclusive technology industry, where women can thrive and make significant contributions in cloud computing.

**MANASA G L  
1KS19CS052**

# ACKNOWLEDGEMENT

The successful completion of the Student Enablement Program would be incomplete without the mention of the people who made it possible and whose constant guidance crowned my effort with success.

I take this opportunity to express my sincere gratitude to our **Management** K S Institute of Technology, Bengaluru for providing the environment to conduct Student Enablement Program.

I would like to extend my gratitude to **Dr. K.V.A Balaji**, CEO, K.S. Group of Institutions, Bengaluru, for facilitating us to Student Enablement Program.

I would like to extend my gratitude to **Dr. Dilip Kumar K**, Principal and Director, K.S. Institute of Technology, Bengaluru, for providing opportunity.

I thank **Dr. Rekha B. Venkatapur**, Professor and Head, Department of Computer Science & Engineering, **Dr. P.N Sudha**, Professor and Head, Department of Electronics & Communication Engineering, and **Dr. Chanda V Reddy**, Professor and Coordinator, Department of Electronics & Communication Engineering, Bengaluru, for their encouragement.

I thank our Coordinators, **Mrs. Beena K**, Assistant. Professor, Department of Computer Science & Engineering, **Mrs. Sangeetha V**, Asst. Professor, Department of Electronics & Communication Engineering for their constant support and guidance.

Finally, I would like to thank all the teaching and non-teaching staff of the college for their cooperation. Moreover, I thank all my family and friends for their invaluable support and cooperation.

**MANASA G L**  
**1KS19CS052**

## **ABSTRACT**

The Student Enablement Program Initiative, implemented by ICT Academy in partnership with PayPal, is a targeted program aimed at empowering women students in their final year of engineering with skills and opportunities in cloud computing. This initiative acknowledges the underrepresentation of women in the technology industry and seeks to bridge the gender gap by providing specialized training, mentorship, and industry exposure. Through a tailored curriculum, women students gain essential knowledge in cloud computing, preparing them for successful careers. The program also facilitates networking and internships, allowing students to connect with industry professionals and gain practical experience. By empowering women in the final year of engineering with the necessary skills and support, this initiative promotes diversity and inclusivity while contributing to a more balanced and thriving technology industry.

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## CHAPTER 1

### INTRODUCTION

#### 1.1 STUDENT ENABLEMENT PROGRAM

##### 1.1.1 ABOUT

The world is on the brink of a new, all-encompassing revolution moving at exponential speed. We are witnessing the emergence of innovative technological trends, Industry 4.0, such as artificial intelligence, the internet of things, robotics, 3D printing, nanotechnology, and others with applications as diverse as the technologies themselves

One of the contentious points of discussion regarding Industry 4.0 is its expected effect on employment. The adoption of Industry 4.0 by Indian industries will result in increased use of automation and robots on the shop floor. There is no doubt that certain low-skilled jobs will be eliminated. However, it is expected that the adoption of industry 4.0 by companies in India will have a positive effect on the creation of jobs, requiring higher levels of skills.

With much more developments in place for emerging technologies both in government and corporate sectors across industries, there will be a huge demand for skilled manpower in these technologies. In the upcoming workforce, getting skilled in these technologies is a great challenge because of affordability.

To enhance the tech skills of the students and make them industry-ready, **ICT Academy**, as a part of **PayPal CSR initiative**, launches Student Enablement Program to train students of higher education on advanced technologies by establishing the **Centre for Women Empowerment (CWE)** and **Centre for Youth Empowerment (CYE)**.

##### 1.1.2 WHO CAN REGISTER?

- Final year women students from higher education institutions.
- Final year graduating youth from higher education institutions.

### 1.1.3 STATES COVERED

- Tamil Nadu
- Karnataka
- Telangana

### 1.1.4 KEY FEATURES



- 140 Hours of Training (100Hrs Technical skills + 40 Hrs Professional skills).



- Establishing Center of Excellence for Women Empowerment and Center of Excellence for Youth Empowerment in 25 Colleges.



- Empowering 2500 students and 100 faculty members on industry 4.0 skills.



- Joint Certificate by PayPal and ICT Academy, and Placement Facilities.

**1.1.5 ACTIVITIES OF CWE AND CYE**

- Training 100 Pre-Final Year Girl Students/Graduating Youth from Higher Education Institutions.
- An online assessment will be conducted after the training and will be awarded joint certification.
- Exclusive placement drives for students.
- Annual student competitions (Technology Hackathons) for the students participating in this training and winners will be recognized
- To inspire and empower students through success stories of women leaders from PayPal and other Corporates.
- Highly participating institutions will get special recognition at the end of the program.

## CHAPTER 2

# TECHNICAL SKILLS

### 2.1 Cloud Computing

Cloud computing is the delivery of computing resources, including servers, storage, databases, networking, software, and analytics, over the internet. Instead of hosting applications or storing data on local servers or personal computers, cloud computing allows users to access these resources remotely from a cloud service provider.

Here are some key concepts and characteristics of cloud computing:

1. **On-Demand Self-Service:** Cloud computing allows users to provision and access computing resources, such as servers or storage, on-demand without the need for human interaction with the service provider.
2. **Scalability and Elasticity:** Cloud services are highly scalable, allowing users to easily adjust the amount of computing resources they consume based on their needs. This scalability is often achieved through automatic resource provisioning and dynamic allocation.
3. **Pay-as-you-go Pricing Model:** Cloud computing services typically follow a pay-as-you-go model, where users are billed based on their actual resource usage. This offers cost efficiency as users only pay for what they use, without the need for upfront infrastructure investments.
4. **Resource Pooling:** Cloud providers consolidate computing resources to serve multiple users simultaneously. This pooling allows for efficient utilization of resources and enables users to access a shared infrastructure without worrying about the underlying hardware.



5. **Broad Network Access:** Cloud services are accessible over the internet from various devices, including desktops, laptops, tablets, and smartphones. This accessibility enables users to access their applications and data from anywhere with an internet connection.
6. **Managed Services:** Cloud providers often offer a range of managed services that handle various aspects of infrastructure management. These services can include automated backups, security, database management, and monitoring, allowing users to focus more on their applications and less on infrastructure maintenance.
7. **Reliability and High Availability:** Cloud computing services are built on redundant and highly available infrastructure. This ensures that applications and data hosted in the cloud can remain accessible even in the event of hardware failures or disruptions.
8. **Flexibility and Agility:** Cloud computing provides organizations with the flexibility to rapidly deploy and scale applications and services. It enables faster time-to-market for new products and allows for agile development and testing processes.

Cloud computing offers several deployment models:

- **Public Cloud:** Resources are shared among multiple customers on a shared infrastructure owned and managed by a cloud service provider (e.g., AWS, Microsoft Azure, Google Cloud Platform).
- **Private Cloud:** Computing resources are dedicated to a single organization and can be managed internally or by a third-party provider. Private clouds provide greater control and security but require additional infrastructure and maintenance.

- Hybrid Cloud: Combines both public and private cloud environments, allowing organizations to leverage the benefits of both. It enables the flexibility to move workloads between public and private clouds based on requirements.

Cloud computing has transformed the way organizations and individuals consume and deliver IT services. It offers scalability, flexibility, cost efficiency, and access to advanced technologies, empowering businesses to innovate and scale rapidly without the burden of managing complex infrastructure.

## **2.2 Amazon Web Services**

AWS (Amazon Web Services) provides a wide range of cloud services across various domains. Here is an overview of some of the key services offered by AWS:

### **1. Compute Services:**

- Amazon EC2: Virtual servers in the cloud, offering scalable compute capacity.
- AWS Lambda: Serverless computing service to run code without managing servers.

### **2. Storage and Content Delivery:**

- Amazon S3: Scalable object storage for storing and retrieving data.
- Amazon EBS: Persistent block-level storage for EC2 instances.
- Amazon Glacier: Low-cost archival storage for infrequently accessed data.
- Amazon CloudFront: Global content delivery network for low-latency content delivery.

### **3. Database Services:**

- Amazon RDS: Managed relational database service supporting multiple database engines.
- Amazon DynamoDB: Fully managed NoSQL database service.
- Amazon Aurora: High-performance relational database compatible with MySQL and PostgreSQL.
- Amazon Redshift: Fully managed data warehousing service for analytics.

**4. Networking and Content Delivery:**

- Amazon VPC: Virtual private cloud for creating isolated virtual networks.
- Amazon Route 53: Scalable domain name system (DNS) web service.
- AWS Direct Connect: Dedicated network connection between on-premises and AWS.

**5. Analytics and Big Data:**

- Amazon EMR: Managed big data processing service using frameworks like Apache Hadoop and Spark.
- Amazon Athena: Interactive query service for analyzing data in Amazon S3.
- Amazon Kinesis: Real-time streaming data processing service.
- Amazon QuickSight: Business intelligence and data visualization service.

**6. Artificial Intelligence and Machine Learning:**

- Amazon Rekognition: Image and video analysis service.
- Amazon Polly: Text-to-speech service.
- Amazon SageMaker: Fully managed platform for building, training, and deploying machine learning models.

**7. Security, Identity, and Compliance:**

- AWS IAM: Identity and access management for controlling access to AWS resources.
- AWS Key Management Service (KMS): Managed service for creating and controlling encryption keys.
- AWS Shield: DDoS protection service.
- AWS Secrets Manager: Securely store and manage secrets such as API keys and database passwords.

**8. Management Tools:**

- AWS Management Console: Web-based user interface for managing AWS services.
- AWS CloudFormation: Infrastructure as Code service for provisioning and managing resources.
- Amazon CloudWatch: Monitoring and observability service.
- AWS Systems Manager: Centralized management and automation of AWS resources.

This list represents just a fraction of the services available on AWS. AWS continues to expand its service offerings and regularly introduces new services to meet the evolving needs of its customers.

### 2.3 TECHNICAL SKILLS TRAINING

The **Student Enablement program** conducted a 15-day technical training held from **20<sup>th</sup> March 2023 to 5<sup>th</sup> April 2023** on AWS cloud computing for 100 female students, divided into two groups of 50 students each. The training took place at K.S. Institute of Technology in both the CP Lab and the Online Lab, with training hours from 9:00 AM to 4:00 PM.

In the CP Lab, the students were guided by **Ashu Dev** sir, a cloud architect with extensive teaching experience. The training sessions were hands-on, allowing the students to explore various aspects of cloud computing in the AWS console. Ashu Dev sir not only imparted technical knowledge but also motivated the students in their personal and professional development through his own experiences. He provided individual attention and assisted the students in debugging errors, ensuring a comprehensive understanding of the subject matter. Additionally, he organized a competition where students used provided AWS icons to build a cloud architecture. After discussing the projects with other faculty members, he declared 8 students as winners and awarded them AWS 50% exam coupons.

In the Online Lab, the students were guided by **Madhan S** sir, who had good interaction with the students and provided comprehensive training on cloud architecture. He motivated the students to solve problems and encouraged them to build their own cloud architectures.

The experience of working with both mentors was highly beneficial for the students, as they received guidance and support in building their career paths. The mentors not only provided technical knowledge but also motivated and inspired the students to excel in their personal and professional lives.

Overall, the student enablement program provided valuable hands-on training, mentorship, and motivation to the female students, empowering them to enhance their skills in AWS cloud computing and pursue successful careers in the field.

## CHAPTER 3

### Professional skills

Developing a diverse set of professional skills can greatly enhance your career prospects and contribute to your personal and professional growth. Here are some essential professional skills that are highly valued in various industries:

1. **Communication Skills:** Strong communication skills, both written and verbal, are essential in almost every professional role. Effective communication allows you to express ideas clearly, listen actively, collaborate with others, and convey information in a concise and professional manner.
2. **Critical Thinking and Problem Solving:** Critical thinking involves analyzing and evaluating information to make informed decisions and solve complex problems. It requires logical reasoning, creativity, and the ability to consider multiple perspectives and potential solutions.
3. **Teamwork and Collaboration:** The ability to work well with others and collaborate in a team environment is crucial. This includes demonstrating interpersonal skills, actively contributing to group efforts, and respecting diverse opinions and ideas.
4. **Adaptability and Flexibility:** In today's fast-paced and ever-changing work environment, adaptability is essential. Being open to new ideas, embracing change, and quickly adjusting to shifting priorities and circumstances can help you thrive in dynamic workplaces.
5. **Leadership Skills:** Leadership skills go beyond holding managerial positions. They involve taking initiative, inspiring and motivating others, delegating tasks effectively, and demonstrating decision-making abilities. Effective leaders also possess good emotional intelligence and can resolve conflicts and provide guidance.

6. **Organizational and Time Management:** Strong organizational skills enable you to manage multiple tasks, prioritize work, and meet deadlines. Being able to plan and schedule activities efficiently, maintain focus, and stay organized can significantly increase productivity.
7. **Digital Literacy and Technology Skills:** Proficiency in using digital tools, software, and technology relevant to your field is increasingly important. This includes skills in data analysis, programming, using productivity software, and adapting to new technologies.
8. **Continuous Learning:** The willingness to learn and adapt to new information and developments in your industry is vital. This includes actively seeking opportunities for professional development, staying updated on industry trends, and pursuing further education or certifications.
9. **Interpersonal Skills and Emotional Intelligence:** Interpersonal skills involve the ability to build and maintain positive relationships, empathize with others, resolve conflicts, and exhibit professionalism and emotional intelligence in interactions with colleagues, clients, and stakeholders.
10. **Project Management Skills:** The ability to plan, execute, and manage projects efficiently is highly valuable. This includes skills in setting goals, defining project scope, allocating resources, managing budgets, and ensuring timely delivery.

Remember that these skills are not mutually exclusive, and many of them overlap or complement each other. Developing a well-rounded set of professional skills can help us navigate various situations and contribute to our overall success and career advancement. Continuously honing and expanding our skill set will benefit us throughout our professional journey.

## SOFT SKILLS TRAINING

In the **Student Enablement Program**, the final 5 days of the training focused on **soft skills** development held from **10<sup>th</sup> April 2023 to 15<sup>th</sup> April 2023**. This portion of the program was facilitated by **Jahiral Banu**, a career coach, image consultant, and soft skills trainer, along with **Sushma Sadalage**, a soft skills trainer and international coach. Their dynamic training program aimed to provide practical strategies and tools to enhance various essential skills such as communication, leadership, problem-solving, adaptability, and critical thinking.

The training sessions were highly interactive, involving discussions, group activities, and feedback sessions to ensure active engagement from the students. Additionally, students were provided with practical exercises, real-world scenarios, and guidance on building their resumes using Canva templates. The trainers made sure to create a lively and engaging environment, incorporating fun and knowledge-gaining activities after explaining each soft skill. This approach not only made the training experience enriching but also helped students remember and implement the acquired skills in their daily lives.

Overall, the soft skills training portion of the Student Enablement Program was a valuable addition, equipping the students with practical strategies and tools to enhance their communication, leadership, problem-solving, adaptability, and critical thinking skills. The interactive and engaging nature of the training, facilitated by Jahiral Banu and Sushma Sadalage, ensured that students had a memorable and impactful learning experience, fostering their personal and professional growth.

Chapter 4

GALLERY

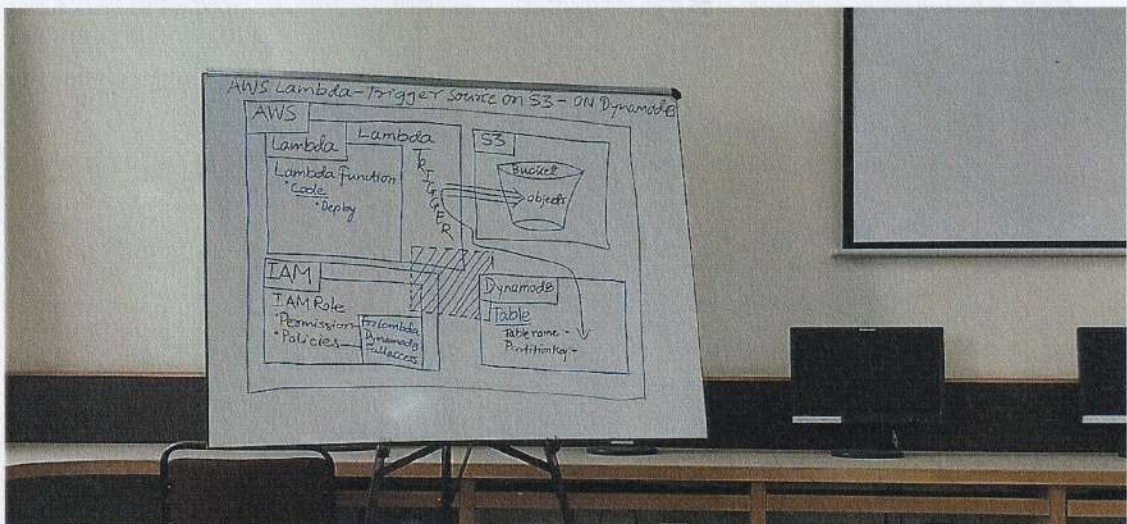
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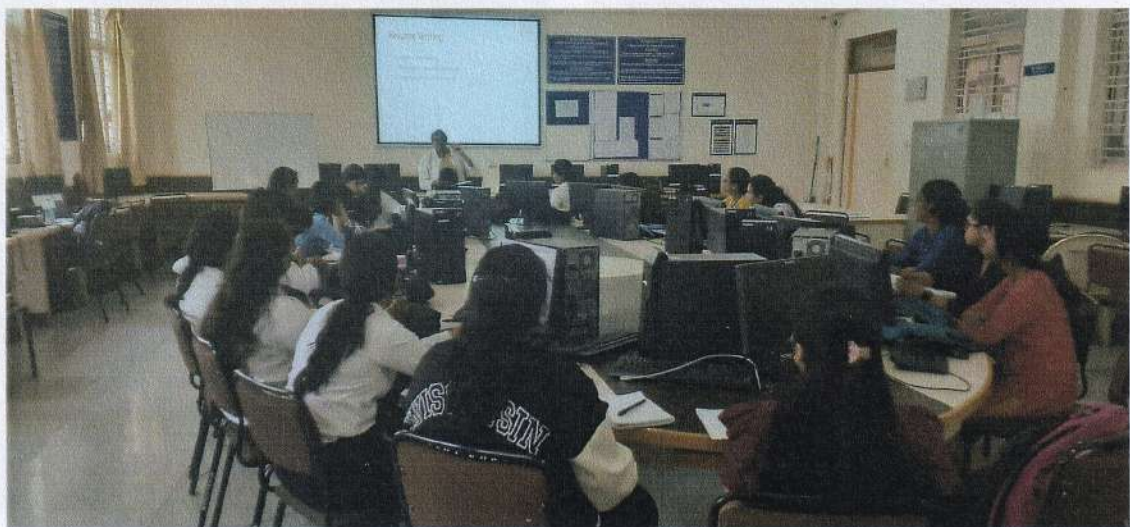


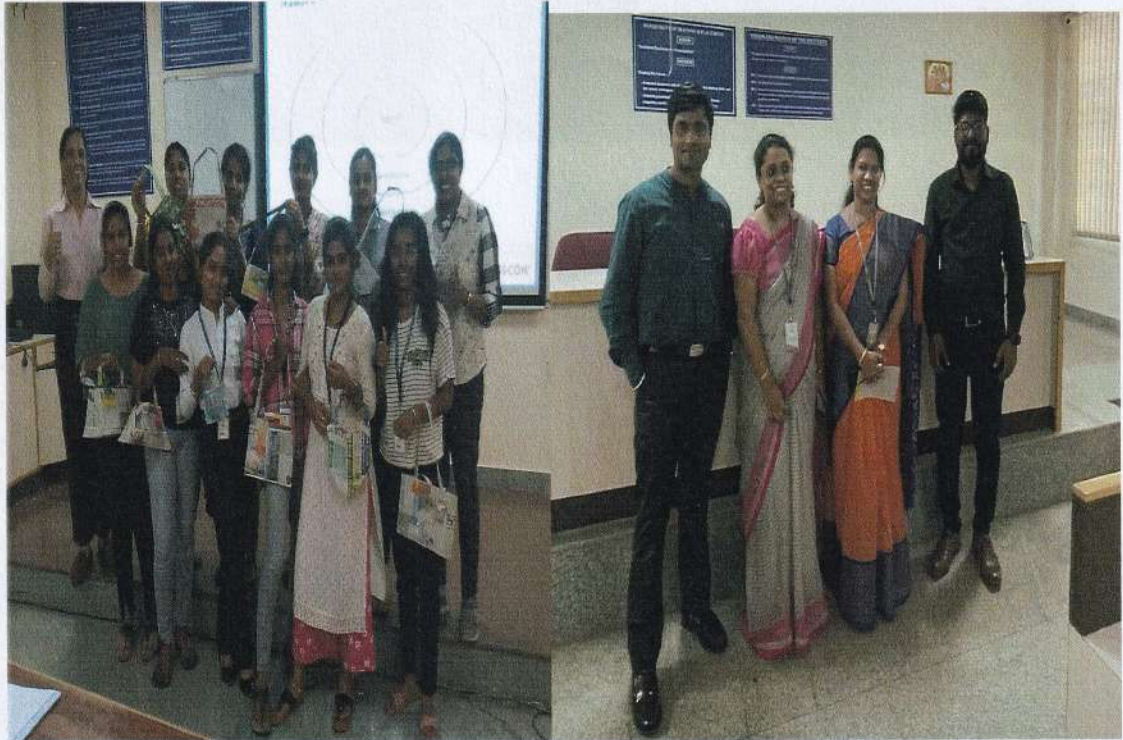




### Training







Felicitation ceremony



## CHAPTER 5

### CONCLUSION

The Student Enablement Program Initiative, implemented by ICT Academy in collaboration with PayPal, is a commendable effort to empower women students in their final year of engineering in the field of cloud computing. By providing a specialized curriculum, targeted training, mentorship, and industry exposure, the program equips women students with the necessary skills, knowledge, and opportunities to excel in the technology sector. The initiative addresses the gender gap by promoting diversity and inclusivity, enabling women to thrive in a traditionally male-dominated industry. By fostering a supportive environment and creating pathways to success, the program not only enhances the employability and career prospects of women students but also contributes to a more balanced and innovative technology industry.

Overall, the Student Enablement Program Initiative serves as a crucial stepping stone for women students in their final year of engineering, empowering them to become leaders and change-makers in the field of cloud computing. By bridging the gender gap and providing tailored support, the program promotes equal opportunities and encourages women to pursue and succeed in technology careers. Through this initiative, PayPal and ICT Academy are making a significant contribution towards building a more diverse, inclusive, and thriving technology industry, where women's voices and talents are recognized and valued.

Student Enablement Program - A CSR Initiative by PayPal

Batch 1 : G3213

Note: Mark 'P' for Present and 'A' for Absent

Name of the College : KS Institute Of Technology

Course Name : Certificate Course on Cloud

Trainer Name : Madhan S

Sl. No	Reg id	Student Name	20.3.2023		End Date: 05.04.2023														
			20-Mar	21-Mar	23-Mar	24-Mar	25-Mar	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr
1	140420	Meghana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	140423	Pokuri	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	140665	Anitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	140680	Pavani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	140452	Shree	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	140692	Sindhu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	140453	Jahnavi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	140454	Surabhi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	140457	Dharmavarapu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	140913	Ramya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	140915	M Lokeshwari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	140954	Sneha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	140459	Prathyusha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	140462	Navya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	140471	Suma	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	140472	Anjali	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	140475	Bindhu	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	140956	Priyanka	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	140982	R Sasikala	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	140477	Saicharitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	140721	Gowthami	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	140759	Archana Yadav	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	140808	Vaishnavi	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	140480	Girishma Sai	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	140483	Aafiya	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	141425	Bhavana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	140490	Shivani	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	140497	Chandini	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	140985	Deepthisshrie	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	140999	Shubha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	140499	Monika	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	140501	Bhavana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Sports day

Sunday

Sl. No	Reg id	Student Name	20.3.2023		End Date: 05.04.2023														
			20-Mar	21-Mar	23-Mar	24-Mar	25-Mar	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr
33	140513	Geervani	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
34	140521	Chaitra	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
35	140527	Sneha	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
36	140529	Rajalakshmi	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
37	141618	Sai	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
38	140541	Swathi	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
39	140542	Bhagyalakshmi	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
40	140559	Vandana	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
41	140574	Steffi	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
42	140575	Nisarga	P	P	P	P	↑	P	P	P	P	A	P	↑	P	P	P	↑	↑
43	140587	Aishwarya	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
44	140589	Sahana	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
45	140593	Yashaswini	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
46	140605	Charitha Pokala	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
47	140606	Samiksha	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
48	140612	Vaishnavi	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
49	143850	Shamitha	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
50	143851	Harshitha	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	↑
51	140828	Vandana	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↓	↓
No of Hrs.			07	07	08	08		07	7	7	7	08	08		08	08	08		
No of Students Present			51	51	51	51		52	52	52	52	44	52		52	52	52		
No of Students Absent			0	0	0	0		0	0	0	0	0	0		0	0	0		
Signature of the Trainer																			

For

Aashu Dev

*[Signature]*

*[Signature]*

Trainer Signature

SPOC Signature & College Seal

Principal Seal & Signature

HEAD OF THE DEPARTMENT  
 Dept. of Electronics & Communication Engg  
 K.S. Institute of Technology  
 Bengaluru - 560 109

PRINCIPAL  
 K.S. INSTITUTE OF TECHNOLOGY  
 BENGALURU - 560 109.

S.No	Chapter	PlanCode	Subtopic	Methodology	Durati on	Traning Date	Trainer Signature
7	Storage	Storage	Amazon Elastic Block Store (Amazon EBS)	Discussion,Lecture, Hands on	2	29.3.23	F.boy
			Amazon Simple Storage Service (Amazon S3)	Discussion,Lecture	1	29.3.23	F.boy
			Amazon Elastic File System (Amazon EFS)	Discussion,Lecture	1	4.4.23	F.boy
			Amazon Simple Storage Service Glacier	Discussion,Lecture	1	28.3.23	F.boy
<b>Revision</b>					0.5	21.3.23	F.boy
<b>Questions Discussion</b>					2	31.3.23	F.boy
<b>Assessment</b>					1	31.3.23	F.boy
<b>Stage 3</b>							
8	Databases	Databases	Amazon Relational Database Service (Amazon RDS)	Discussion,Lecture, Hands on	3	1.4.23	F.boy
			Amazon DynamoDB	Discussion,Lecture	2	1.4.23	F.boy
			Amazon Redshift	Discussion,Lecture	1	1.4.23	F.boy
			Amazon Aurora	Discussion,Lecture	1	1.4.23	F.boy
<b>Revision</b>					1	1.4.23	F.boy
9	Cloud Architecture	Cloud Architecture	AWS Well-Architected Framework	Discussion,Lecture	2	27.3.23	F.boy
			Reliability and availability	Discussion,Lecture	1	4.4.23	F.boy
			AWS Trusted Advisor	Discussion,Lecture	1	4.4.23	F.boy
<b>Revision</b>					0.5	4.4.23	F.boy
10	Automatic Scaling and Monitoring	Automatic Scaling and Monitoring	Elastic Load Balancing	Discussion,Lecture, Hands on	4	30.3.23	F.boy
			Amazon CloudWatch	Discussion,Lecture	3	31.3.23	F.boy
			Amazon EC2 Auto Scaling	Discussion,Lecture	2	31.3.23	F.boy
<b>Revision</b>					0.5	4.4.23	F.boy
<b>Questions Discussion</b>					2	4.4.23	F.boy
<b>Assessment</b>					1	4.4.23	F.boy
<b>Stage 4</b>							
	Revision - 1	Full course			3	3.4.23	F.boy
	Question Discussion - 1	Full course			3	3.4.23	F.boy
	Assessment - 1	Full course			2	3.4.23	F.boy
	Revision - 2	Full course			3	4.4.23	F.boy
	Question Discussion - 2	Full course			3	4.4.23	F.boy
	Assessment - 2	Full course			2	4.4.23	F.boy
	Revision - 3	Full course			3	5.4.23	F.boy
	Question Discussion - 3	Full course			4	5.4.23	F.boy
	Assessment - 3	Full course			2	5.4.23	F.boy

SPOC Signature & College Seal

Trainer Signature

Principal seal & signature

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**College Name : KS Institute Of Technology**
**Trainer Name: Madhan S**
**Course Name : Certificate Course on Cloud**
**Batch id : G3213**

S.No	Chapter	PlanCode	Subtopic	Methodology	Duration	Traning Date	Trainer Signature
<b>Stage 1</b>							
1	Cloud Concepts Overview	Cloud Concepts Overview	Introduction to cloud computing	Discussion,Lecture	1	20.3.23	
			Advantages of cloud computing	Discussion,Lecture	1	20.3.23	
			Introduction to Amazon Web Services (AWS)	Discussion,Lecture	1	20.3.23	
			Moving to the AWS Cloud - The AWS Cloud Adoption Framework (AWS CAF)	Discussion,Lecture	1	20.3.23	
<b>Revision</b>					0.5	20.3.23	
2	Cloud Economics and Billing	Cloud Economics and Billing	Fundamentals of pricing	Discussion,Lecture	1	21.3.23	
			Total Cost of Ownership	Discussion,Lecture	1	21.3.23	
			Billing	Discussion,Lecture	1	21.3.23	
			Technical support	Discussion,Lecture	1	21.3.23	
<b>Revision</b>					0.5	21.3.23	
3	AWS Global Infrastructure Overview	AWS Global Infrastructure Overview	AWS Global Infrastructure	Discussion,Lecture	2	20.3.23	
			AWS services and service category overview	Discussion,Lecture	1	20.3.23	
<b>Revision</b>					0.5	20.3.23	
4	AWS Cloud Security	AWS Cloud Security	AWS shared responsibility model	Discussion,Lecture	2	22.3.23	
			AWS Identity and Access Management (IAM)	Discussion,Lecture, Hands on	3	23.3.23	
			Securing a new AWS account	Discussion,Lecture	1	23.3.23	
			Securing accounts	Discussion,Lecture	1	23.3.23	
			Securing data on AWS	Discussion,Lecture	1	24.3.23	
			Working to ensure compliance	Discussion,Lecture	1	24.3.23	
<b>Revision</b>					0.5	24.3.23	
<b>Questions Discussion</b>							
<b>Assessment</b>							
<b>Stage 2</b>							
5	Networking and Content Delivery	Networking and Content Delivery	Networking basics	Discussion,Lecture	1	27.3.23	
			Amazon VPC	Discussion,Lecture, Hands on	3	27.3.23	
			VPC networking	Discussion,Lecture	1	28.3.23	
			VPC security	Discussion,Lecture	1	28.3.23	
			Amazon Route 53	Discussion,Lecture	1	29.3.23	
			Amazon CloudFront	Discussion,Lecture	1	29.3.23	
<b>Revision</b>					1	28.3.23	
6	Compute	Compute	Compute services overview	Discussion,Lecture	1	23.3.23	
			Amazon EC2	Discussion,Lecture, Hands on	2	27.3.23	
			Amazon EC2 cost optimization	Discussion,Lecture	1	29.3.23	
			Container services	Discussion,Lecture	1	3.4.23	
			Introduction to AWS Lambda	Discussion,Lecture	1	30.3.23	
			Introduction to AWS Elastic Beanstalk	Discussion,Lecture	1	30.3.23	
<b>Revision</b>					0.5	30.3.23	

Student Enablement Program - A CSR Initiative by PayPal

Batch 2 :G3214

Note: Mark 'P' for Present and 'A' for Absent

Name of the College : KS Institute Of Technology

Course Name : Certificate Course on Cloud

Trainer Name : Mr.AASHU DEV

Sl. No	Reg Id	Student Name	20.03.2023		End Date: 05.04.2023														
			20-Mar	21-Mar	23-Mar	24-Mar	25-Mar	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr	7-Apr
1	142201	Ranjana	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
2	142302	Chaitra	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
3	140618	Kavya	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
4	142756	A B Pooja	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
5	143848	Theerthana	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
6	144021	Sinchana	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
7	140621	Akshitha	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
8	140622	Pooja	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
9	140623	Aishwarya	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
10	140626	Jagarlamudi	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
11	140627	Karuna	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
12	140629	Keerthana	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
13	140630	Kavya	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
14	140637	Manogna	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
15	140641	Manu	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
16	144137	Litchitha	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
17	140643	Sahana	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
18	140701	Ankitha	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
19	143852	Chaitra	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
20	144029	Shwetha	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
21	140614	Goalla	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
22	140628	Vaishnavi	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
23	140478	Sireesha	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
24	141863	Anusha	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
25	144114	Aakriti	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
26	140434	Pavithra	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
27	140439	Ashika	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
28	140444	Neelamma	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
29	140446	Kavyashree	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
30	140447	Swetha	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
31	140960	Priya	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P
32	141543	Indrajith	P	P	P	P	↑	P	P	P	P	P	P	↑	P	P	P	↑	P

Sl. No	Reg id	Student Name	20.03.2023		End Date: 05.04.2023 <sup>Sabbath</sup>							*						
			20-Mar	21-Mar	23-Mar	24-Mar	25-Mar	27-Mar	28-Mar	29-Mar	30-Mar	31-Mar	1-Apr	2-Apr	3-Apr	4-Apr	5-Apr	6-Apr
33	140496	Sarayu	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
34	141009	Sindhu	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
35	141864	Manasa	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
36	141867	Raksha	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
37	140518	Tejaswini	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
38	140532	Pothuru	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
39	141577	Shanvi	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
40	141599	Thriveni	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
41	140594	Ranjitha	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
42	140601	Sushmitha	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
43	144118	Chandana	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
44	141869	Anusha	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
45	141041	Sahana	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
46	144119	Kothapalli	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
47	144122	N Bhavya	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
48	144125	Spurthi Reddy	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
49	140631	Varsha Bai	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
50	140640	Sai Shirisha	P	P	P	P	↑	P	P	P	P	P	↑	P	P	P	↑	↑
51	144126	Hithaishi	P	P	P	P	↓	P	P	P	P	P	↓	P	P	P	↓	↓
No of Hrs.			07	07	07	07	-	07	07	07	07	07	-	07	08	08		
No of Students			51	51	51	51	-	53	53	53	53	52	-	52	52	52		
No of Students Absent			0	0	0	0	-	00	00	01	00	00	-	00	00	00		
Signature of the																		

Trainer Signature *Anshu Dev*

SPOC Signature & College Seal *[Signature]*

Principal Seal & Signature *[Signature]*

HEAD OF THE DEPARTMENT  
 Dept. of Electronics & Communication Engg  
 K.S. Institute of Technology  
 Bengaluru - 560 109

PRINCIPAL  
 K.S. INSTITUTE OF TECHNOLOGY  
 BENGALURU - 560 109.



# Certificate Course on Cloud



College Name : KS Institute Of Technology

Trainer Name: AASHU DEV

Course Name : Certificate Course on Cloud

Batch id : G3214

S.No	Chapter	PlanCode	Subtopic	Methodology	Duration	Traning Date	Trainer Signature
<b>Stage 1</b>							
1	Cloud Concepts Overview	Cloud Concepts Overview	Introduction to cloud computing	Discussion,Lecture	1	20/03/23	Aashu Dev
			Advantages of cloud computing	Discussion,Lecture	1	>>	
			Introduction to Amazon Web Services (AWS)	Discussion,Lecture	1	>>	
			Moving to the AWS Cloud – The AWS Cloud Adoption Framework (AWS CAF)	Discussion,Lecture	1	>>	
<b>Revision</b>					0.5	>>	
2	Cloud Economics and Billing	Cloud Economics and Billing	Fundamentals of pricing	Discussion,Lecture	1	>>	Aashu Dev
			Total Cost of Ownership	Discussion,Lecture	1	>>	
			Billing	Discussion,Lecture	1	21/03/23	
			Technical support	Discussion,Lecture	1	>>	
<b>Revision</b>					0.5	>>	
3	AWS Global Infrastructure Overview	AWS Global Infrastructure Overview	AWS Global Infrastructure	Discussion,Lecture	2	>>	Aashu Dev
			AWS services and service category overview	Discussion,Lecture	1	>>	
<b>Revision</b>					0.5	>>	
4	AWS Cloud Security	AWS Cloud Security	AWS shared responsibility model	Discussion,Lecture	2	>> 2hr	Aashu Dev
			AWS Identity and Access Management (IAM)	Discussion,Lecture, Hands on	3	23/03/23	
			Securing a new AWS account	Discussion,Lecture	1		
			Securing accounts	Discussion,Lecture	1		
			Securing data on AWS	Discussion,Lecture	1		
<b>Revision</b>					1		
<b>Questions Discussion</b>					0.5		
<b>Assessment</b>					2	24/03/23	Aashu Dev
<b>Stage 2</b>							
5	Networking and Content Delivery	Networking and Content Delivery	Networking basics	Discussion,Lecture	1		Aashu Dev
			Amazon VPC	Discussion,Lecture, Hands on	3		
			VPC networking	Discussion,Lecture	1		
			VPC security	Discussion,Lecture	1	27/03/23	
			Amazon Route 53	Discussion,Lecture	1		
<b>Revision</b>					1		
6	Compute	Compute	Compute services overview	Discussion,Lecture	1		Aashu Dev
			Amazon EC2	Discussion,Lecture, Hands on	2	28/03/23	
			Amazon EC2 cost optimization	Discussion,Lecture	1		
			Container services	Discussion,Lecture	1		
			Introduction to AWS Lambda	Discussion,Lecture	1		
<b>Revision</b>					1		
<b>Revision</b>					0.5	29/03/23	Aashu Dev

S.No	Chapter	PlanCode	Subtopic	Methodology	Duration	Traning Date	Trainer Signature
7	Storage	Storage	Amazon Elastic Block Store (Amazon EBS)	Discussion,Lecture, Hands on	2	29/03/23	Aashu Dev
			Amazon Simple Storage Service (Amazon S3)	Discussion,Lecture	1		
			Amazon Elastic File System (Amazon EFS)	Discussion,Lecture	1		
			Amazon Simple Storage Service Glacier	Discussion,Lecture	1		
<b>Revision</b>					0.5		
<b>Questions Discussion</b>					2		
<b>Assessment</b>					1	30/03/23	Aashu Dev
<b>Stage 3</b>							
8	Databases	Databases	Amazon Relational Database Service (Amazon RDS)	Discussion,Lecture, Hands on	3	31/03/23	Aashu Dev
			Amazon DynamoDB	Discussion,Lecture	2		
			Amazon Redshift	Discussion,Lecture	1		
			Amazon Aurora	Discussion,Lecture	1		
<b>Revision</b>					1		
9	Cloud Architecture	Cloud Architecture	AWS Well-Architected Framework	Discussion,Lecture	2		
			Reliability and availability	Discussion,Lecture	1		
			AWS Trusted Advisor	Discussion,Lecture	1		
<b>Revision</b>					0.5		
10	Automatic Scaling and Monitoring	Automatic Scaling and Monitoring	Elastic Load Balancing	Discussion,Lecture, Hands on	4	01/04/23	Aashu Dev
			Amazon CloudWatch	Discussion,Lecture	3		
			Amazon EC2 Auto Scaling	Discussion,Lecture	2		
<b>Revision</b>					0.5		
<b>Questions Discussion</b>					2		
<b>Assessment</b>					1	03/04/23	Aashu Dev
<b>Stage 4</b>							
	Revision - 1	Full course			3		
	Question Discussion - 1	Full course			3		
	Assessment - 1	Full course			2	04/04/23	Aashu Dev
	Revision - 2	Full course			3		
	Question Discussion - 2	Full course			3		
	Assessment - 2	Full course			2		
	Revision - 3	Full course			3		
	Question Discussion - 3	Full course			4		
	Assessment - 3	Full course			2	05/04/23	Aashu Dev

SPOC Signature & College Seal

Trainer Signature

Principal seal & signature

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