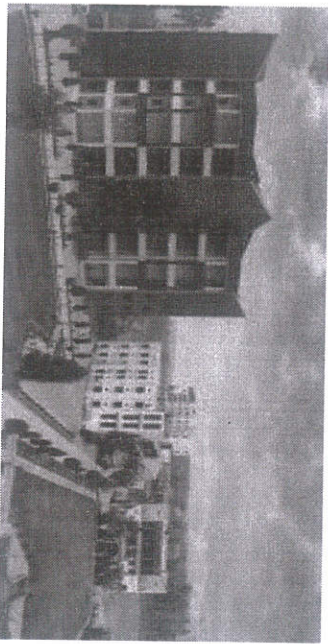




Netaji Subhas Institute of Technology

Approved by AICTE and Affiliated to AKU, Patna



Workshop ON Cloud Computing with AWS

June 02-04, 2022

Organized by
Department of EEE

Coordinators
Mrs. Kiran Singh, NSIT Patna
Mr. Amarjeet Kumar, NSIT Patna

ABOUT NSIT BIHATA PATNA

Netaji Subhas Institute of Technology established in 2007, with first batch started in 2008 has its magnificent campus at Amhara in the district of Patna, Bihar. The nearest railway station is Bihta about 2 kilometers from the institute campus and about 25 KM from Patna. A railway junction the state capital and major business and Educational hub of the state. Bihta is the industrial hub and blessings nerve centre of the entire state of Bihar. NSIT, A Degree level Engineering Institute has become a "An effective source of Technocrats to the nation", with its unique infrastructural facilities of 4,00,000 Sq.Ft. of built up area on approximately 18 acres of green lustrous land at Amhara, Bihta, Patna, Ambience at the campus serve and Ashram like. The college offers 4 years B.Tech courses in CSE, ECE, EEE, ME and CE.

ABOUT DEPARTMENT OF EEE

The Department of EEE has a team of well qualified, experienced and dedicated faculty members with rich academic, industrial and research background. The department is fully equipped with modern electronics equipment systems with latest software. The EEE has the intake of 120 students and approved by AICTE and affiliated to AKU, Patna

DEPARTMENT VISION

To produce Electrical Engineers with energetic well rounded personalities flexible to cope escalating demands of budding technologies concerning analytical and practical skills.

DEPARTMENT MISSION

To extend the department as a prominent academic centre of learning in the discipline of electrical engineering.
To set up research and development hub of status so as to promote active participation with industry by staff and students to take on practical problems of industry and to provide feasible solutions.
To develop simple, suitable technologies, this will be helpful in the up-liftment of rural society.

OBJECTIVE

The objective of the workshop is to

- ❖ Make architectural decisions based on AWS architectural principles and best practices
- ❖ Leverage AWS services to make your infrastructure scalable, reliable, and highly available
- ❖ Leverage AWS Managed Services to enable greater flexibility and resiliency in an infrastructure
- ❖ Make an AWS-based infrastructure more efficient to increase performance and reduce costs
- ❖ Use the Well-Architected Framework to improve architectures with AWS solutions

WORKSHOP CONTENTS

- Day 1:- Cloud Computing, AWS Lab
- Day 2:- Networking Lab, AWS Storage Lab
- Day 3:- AWS High Auto-Scaling and Load Balancers

Registration Fee

The participation fees Rs 750/- only

Mode of registration :- Spot

For More Information Contact us on :-
7781020349, 7781020361, 9102403261

RESOURCE PERSON

Anand Krishna, Sr. Faculty,
CDAC Bailey Road, Patna

PATRONS

Mr. M. M. Singh, Founder-Secretary, NSIT,
Mr. Krishna Murari, Registrar, NSIT
Dr. S. Singh, Director, NSIT

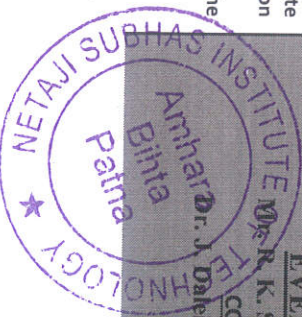
EVENT CHAIR

Mr. R. K. Singh, Dean, NSIT
CONVENOR

Mr. Dalei, HOD, EEE, NSIT

Director
Netaji Subhas Institute of Technology

Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar
PIN-801106



To

The HOD

EEE, Dept, NSIT, Bihta

Dear Sir,

The below topics of Cloud Computing with AWS are for your review and approval.

Topic: Cloud Computing with AWS (Amazon Web Services)

- AWS (Amazon Web Services) is a comprehensive, evolving cloud-computing platform provided by Amazon that includes a mixture of Infrastructure as a service (IaaS), platform as a service (PaaS) and software as a service (SaaS) offerings.
- Topic to be covered

Day 1

1. Cloud Computing

- What is Cloud Computing?
- Cloud Applications
- Types of Cloud
- Virtualization
- Cloud Service Providers
- AWS Amazon Web Services
- Regions/Availability Zones/Accounts

2. AWS Lab

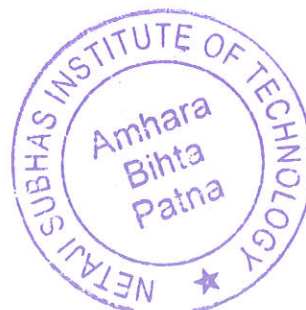
- EC2 (Elastic Cloud Compute)
- Creating Instance (virtual machine Linux/Windows)
- Installing webserver on Linux and windows server.
- Attach EBS to Instance
- Create Snapshot of Instance
- Create Image of Instance

Day 2

3. Networking Lab

- Creating VPC
- Subnets (Private/Public)
- IGW (Internet Gateway)
- NAT (Network Address Translation)
- Route Tables


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PIN-801106



- Security Group

4. AWS Storage Lab

- Creating S3 Bucket
- Upload files and Folders
- Versioning
- Replication Rule
- Life Cycle

Day 3

AWS High Auto-Scaling and Load Balancers

- Auto Scaling Auto Scaling Groups – ASG, Launch configuration OR Launch Template
- Minimum & Maximum capacity, Desired capacity
- Metrics & Health Check
- Load Balancers and its type
- Application Load Balancers
- Network load Balancers
- IAM Identity access and Management Creating Users/Groups/MFA

*****Pre-Requisites: - Create a AWS Free Tier account for hands on lab.*****

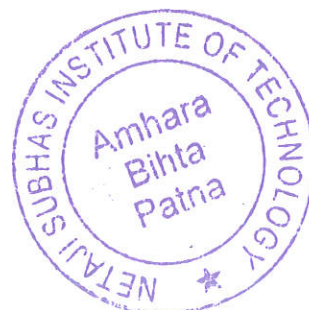
From

Anand Krishna

Sr. Faculty, Astric Solutions, CDAC-ATC, Patna

9334903402


Director
Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar
PIN-601106



NETAJI SUBHAS INSTITUTE OF TECHNOLOGY, BIHTA

Department of Electrical & Electronics Engineering

Session 2021-22

Date:- 30-05-2022

Notice

The interested students of 6th and 8th Semester Electrical and Electronics Engineering are hereby informed that a “Workshop Cloud Computing with AWS” is going to be organized which is commencing from 02th June 2022. Therefore the students are instructed to attend the workshop. The details of registration are available on department notice board. The details of the Workshop are as follows:-

Name: Workshop Cloud Computing with AWS

Date: 02th June to 04 June, 2022

Venue: EEE Lab

Copy to:

1. Director, NSIT
2. Dean, NSIT
3. Notice Board
4. College website



J. Daler
(HOD, EEE) NSIT
Head of Department
Department of Electrical & Electronics Engineering
Netaji Subhas Institute of Technology

J. Daler
Director
Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar
PIN-801106

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY, BIHTA

Session 2021-2022

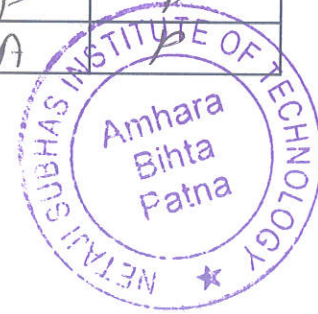
Workshop on “ Cloud Computing with AWS ”

Attendance Sheet

Sr.No	Name of Student	02-Jun	03-Jun	04-Jun
1	ABHISHEK SINGH	P	P	P
2	SURYANSH VERMA	P	P	P
3	GAURAV KUMAR	P	P	P
4	SHIVAM KUMAR	P	P	P
5	HIMANSHU KUMAR	P	P	A
6	KUMARI AKANKSHA	P	P	P
7	MD TAUSIF MALLICK	P	P	P
8	KANIKA KUMARI	P	P	P
9	LAVANYA SINGH	P	P	P
10	ALOK KUMAR DAS	P	P	P
11	RISHI PRAKASH PANDEY	P	P	P
12	RAHUL KUMAR	P	P	P
13	LAKSHMI MINJ	P	P	P
14	NIKHIL TIWARY	P	P	P
15	AISHWARYA KUMARI	P	P	P
16	SHAGUFTA HUSSAIN	P	P	P
17	ABHISHEK RAJ	P	A	P
18	JASON PAUL	A	P	P
19	CHITRASEN PRASAD RAJ	P	P	P
20	ANKIT KUMAR JHA	P	P	P
21	SHARIYA SADAF	P	P	P
22	NIKHIL TIWARY	P	P	P
23	AISHWARYA KUMARI	P	P	P
24	SHAGUFTA HUSSAIN	P	P	P
25	ABHISHEK RAJ	P	P	P
26	JASON PAUL	P	P	P
27	CHITRASEN PRASAD RAJ	P	P	P
28	ANKIT KUMAR JHA	P	P	P
29	SHARIYA SADAF	P	A	P

J J Singh
Director

Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar
Pin - 801 001



CERTIFICATE OF PARTICIPATION

Enrolment No : COE/21-22/AW39

Certificate No : AWS2022/07

This certificate is presented to Mr. Md Tausif Mallick for successfully completing

the

Three Days' Workshop on Cloud Computing with AWS conducted from 02/06/2022 to

04/06/2022 at NSIT, Bihta, Bihar 801118.



Coordinator

Date : 13/06/2022

Place : Patna



Director
Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar
PIN-801106

Director

Astric Center of Excellence, Khajpura, Bailey Road - Patna 800 014, www.astric.net

Partner Institute





CERTIFICATE OF PARTICIPATION

Enrolment No : COE/21-22/AW39

Certificate No : AWS2022/22

*This certificate is presented to Mr. Nikhil Tiwary for successfully completing the
Three Days' Workshop on Cloud Computing with AWS conducted from 02/06/2022 to*

04/06/2022 at NSIT, Bihta, Bihar 801118.



Coordinator

Date : 13/06/2022

Place : Patna



Director


Netaji Subhas Institute of Technology
Amhara, Bihta, Patna, Bihar
PIN-801108

Astric Center of Excellence, Khajipura, Bailey Road - Patna 800 014, www.astric.net

Partner Institute