

JAWAHAR EDUCATION SOCIETY'S
A. C. PATIL COLLEGE OF ENGINEERING,
KHARGHAR, NAVI MUMBAI
Department of Information Technology

A Brief Report on

ISTE Approved One Week Short Term Training Program (STTP)

Event Details: - ISTE Approved One Week Short Term Training Program (STTP) on “Cloud Computing and Its Services”.

Duration: January 01-06, 2024.

Mode of Conduction: - Online

Participants: Faculties of various branches from Different Engineering Colleges from Mumbai University, Pune University, Shivaji University and Amity University

Objectives:

The Primary goals of STTP are:

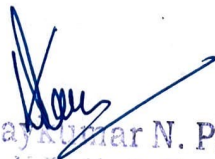
- To offer in-depth understanding of the many cutting-edge technologies in the Cloud Computing sector and
- To provide a venue for research scholars, academics, and business people to interact in this evolving field.
- To address the numerous latest developments in Cloud Computing and its broad applicability with a variety of use case scenarios.

The University of Mumbai, Pune, Shivaji and Amity University curriculum include Cloud computing and it's services for the undergraduate students. Cloud Computing with AWS and AZURE services is an exciting growing field

The motivation to organise this workshop is to train the teaching faculty so that they can impart the gain knowledge to fellow undergraduate students and also use the programming in their research work. With keeping this as an intension, ISTE approved STTP was conducted from January 01-06, 2024 at Information Technology Department, A. C. Patil College of Engineering, kharghar.

Organizing Team:

Dr. Varsha Y. Bhole – Convener and Head of Information Technology
Prof. Manasi. N. Deore- Program Coordinator
Prof. Surekha A. Khot - Program Coordinator
Prof. Shaila .P. Pawar – Organising Committee
Prof. Sarin. S. Deore -Organising Committee
Prof. Amaruta. A. Kothavade -Organising Committee
Prof. Poonam. P. Potraje -Organising Committee
Prof. Radhika. P. Pachghare -Organising Committee
Prof. Sandhya. S. Dongre --Organising Committee


Dr. Vijay Kumar N. Pawar
B.E., M.E., Ph. D. (Tech.)
Principal
A. C. Patil College of Engineering,
Kharghar, Navi Mumbai - 410 210



Planning:

- On October 10th 2023, Principal Dr. V. N. Pawar called for a meeting of the STTP Committee and discussed about the conduct of ISTE approved STTP from 01st January to 6th January 2023. The responsibility of conducting the program and making all required arrangements was allotted to Departmental STTP conveners & coordinators.
- On October 16th 2023, Dr. Varsha Y. Bhole called a meeting of STTP and informed committee members about the event and the initial responsibilities like the designing & finalizing the brochure of the event, etc.
- On November 1st 2023, Dr. Varsha Y. Bhole progress of work related to the STTP.
- On November 7th 2023, Dr. Varsha Y. Bhole a meeting of organizing committee to delegate their responsibilities to committee members.

Inauguration:

Inauguration Schedule:

Timing	Event
10:15 am – 10:30 am	Inauguration & Keynote
10:30 am – onwards	Session 1

The One Week ISTE Approved Short Term Training Program on “Cloud Computing and Its Services” was organized from January 01 -06, 2024. It is designed to provide an overview of an exciting growing field of Cloud Computing with AWS and AZURE services.

The one Week Short Term Training Programme started with lighting of lamp and Swarwati Vandana. A heart-warming welcome remark was delivered by Prof. Surekha A. Khot, Course Coordinator, of STTP. She told the importance and contents of the training program. The session further continued with the address of Dr. Varsha Y. Bhole who enlightened the participants about the importance of such training programs and how such programs helps in developing applications in industry. Principal Dr. V. N. Pawar shared his views on importance of such workshops for teaching fraternity

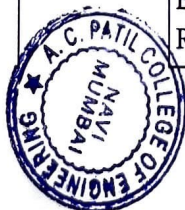
Schedule:

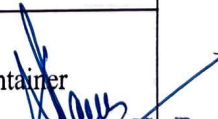
The daily plan of the STTP including hands on practical sessions in a day was scheduled in prior, and was executed accordingly.

Day	Name of the Guest Speaker	Details of the Speaker	Topics covered	Date



	Mr. Amar Kalvikatte	Senior Technical Head Microsoft, Netherlands	Morning Session: 1. Introduction to AWS. 2. Overview of AWS Services. 3. What is EC2? 4. How to create both Windows and Linux Instance using a single key pair and security group?	01/01/2024
			Afternoon Session: 1. Create a load balancer. 2. How to create Auto scaling groups? 3. Cloud security.	
2	Mr. Amar Kalvikatte	Director-Microsoft AZURE Solution Architecture (Pre-Sales)	Morning Session: Microsoft Azure Fundamentals. 1. Installation of AZURE cmdlets. 2 Creation of VMs with the portal, ARM Templates, and PowerShell.	02/01/2024
			Afternoon Session: 3.Creating Virtual Networks in Azure	
3	Mr. Amar Kalvikatte	Senior Technical Head Microsoft, Netherlands	Morning Session: 1. Overview of Microsoft Azure Storage. 2. Storage Account Replication Techniques 3. Protocols and Consistency Model	03/01/2024
			Afternoon Session: 1.Type of Azure Storage Account 2.Storage Services Blob, Table, Queue, File Azure CDN Services, Managed and Unmanaged Disk	
4	Mr. Amar Kalvikatte	Senior Technical Head Microsoft, Netherlands	Morning Session: 1.Understanding Database as a service 2.Backup and Performance Options Security in Azure 3.SQL Pricing Model 4.Azure SQL Database Warehouse	04/01/2024
			Afternoon Session: Migrate a database from on-premise to SQL Azure	
5	Mr. Amar Kalvikatte	Senior Technical Head Microsoft, Netherlands	Morning Session: 1.Introduction to Azure ARM Templates and its content 2.Deploying ARM Template with PowerShell	05/01/2024
			Afternoon Session: Build a container image using Azure Container Registry Tasks	




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Mr. Amar Kalvikatte

Senior Technical Head
Microsoft, Netherlands

Morning Session:
Create an Azure Cosmos DB account in the Azure portal

06/01/2024

Afternoon Session:
Vote of thanks
Quiz and Valedictory Function

Valedictory:

The program ended with the valedictory function which was graced with the presence of Dr. V. N. Pawar, Principal, ACPCE, Dr. Varsha Y. Bhole - Convener of STTP and Head of Department. Prof Amaruta A. Kothavade asked participants for Group photos.

Prof. Manasi N. Deore Coordinator of STTP ACPCE, in his valedictory talk, started with congratulating HoD, coordinators and organizing committee for the successful conduction of STTP. She also explained the importance of incorporating project based learning to enhance research culture in this institute.

A total of 97 faculty members participated in the One week Short Term Training Program conducted.

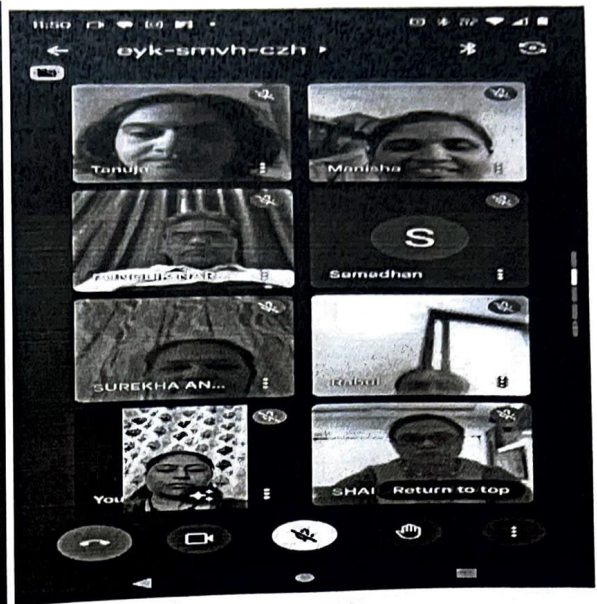
We asked all participants to express their opinion about the STTP program.

The overall feedback of the Training Program was encouraging and was highly rated by the participants. The participants were satisfied with the content of the workshop and it provided guidelines for further research work.

Photo Gallery:



Dr. Vijaykumar N. Pawar
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HOD



(Handwritten Signature)
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