

**SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
FACULTY OF SCIENCE & HUMANITIES
DEPARTMENT OF COMPUTER SCIENCE
AWS BOOTCAMP-ESSENTIAL SERVICES&ADVANCED PRACTICES**

Faculty Coordinators: Dr.Ramesh.M, Dr.Revathi.S,

Date : 09.08.2024 & 12.08.24

Time : 9.30 am to 4.30 pm

Venue: Lab 404 , 4th Floor, FSH block

Collaborating Department: - NA

No. of Participants: 37

Event Name: AWS BOOTCAMP-ESSENTIAL SERVICES & ADVANCED PRACTICES

Objective of the Event :The objective of the AWS Bootcamp: Essential Services & Advanced Practices event is to provide participants with a comprehensive, hands-on learning experience focused on Amazon Web Services (AWS).

- **Introduce Core AWS Services:** Familiarize participants with essential AWS services, including computing, storage, networking, and databases.
- **Enhance Practical Skills:** Offer hands-on labs and exercises to help attendees gain practical experience in deploying, managing, and optimizing AWS resources.
- **Teach Advanced AWS Practices:** Explore advanced AWS concepts, such as security, scalability, automation, and cost management, to equip participants with the knowledge to build and maintain robust cloud infrastructures.
- **Prepare for AWS Certification:** Provide foundational and advanced knowledge that will help participants prepare for AWS certification exams.
- **Encourage Cloud Adoption:** Promote the adoption of AWS services by demonstrating the benefits of cloud computing and how it can drive innovation and efficiency in businesses.
- **Networking and Collaboration:** Offer opportunities for participants to connect with AWS experts, peers, and industry professionals to share insights and best practices.

This bootcamp is designed for both beginners and experienced professionals looking to deepen their understanding of AWS and enhance their cloud computing skills.

Brief Description about the Event: AWS Compute Service - EC2

This event focuses on key AWS Compute and Storage services, providing hands-on experience with Amazon EC2 and related AWS technologies. Participants will learn to:

- **SSH to EC2 Instance:** Establish secure connections to EC2 instances, enabling remote management and configuration.
- **Elastic Load Balancer & Application Load Balancer:** Understand and implement load balancing strategies using AWS's Elastic Load Balancer (ELB) and Application Load Balancer (ALB) to distribute traffic efficiently across multiple instances.

- **AWS Storage - EBS & EFS:** Explore Amazon's storage solutions, including Elastic Block Store (EBS) for persistent block storage and Elastic File System (EFS) for scalable file storage.
- **S3, RDS, Athena & Autoscaling:** Work with Amazon S3 for object storage, Amazon RDS for relational database management, and Amazon Athena for querying data in S3. Learn about autoscaling to maintain application availability by automatically adjusting capacity.
- **Auto Scaling:** Dive deeper into Auto Scaling, focusing on configuring scaling policies to ensure that applications can handle varying loads seamlessly.
- **AWS Glue:** Get introduced to AWS Glue, a fully managed ETL (Extract, Transform, Load) service that makes it easier to prepare and load data for analytics.

This event is designed to enhance your practical knowledge of AWS services, focusing on scalability, storage, and efficient resource management.

Event Banner :

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY
FACULTY OF SCIENCE AND HUMANITIES

DEPARTMENT OF COMPUTER SCIENCE
KATTANKULATHUR

Organises

**AWS Bootcamp: Essential Services
& Advanced practices**

Dr. G. Senthil Kumar
Associate Professor
Department of Computational Intelligence
Faculty of Engineering & Technology SRM IST, KTR.

Amazon Web Services (AWS):

- AWS Compute Service - EC2
- SSH to EC2 instance
- Elastic Load Balancer, Application Load Balancer
- AWS storage - EBS & EFS
- S3, RDS, Athena & Autoscaling
- Auto scaling
- AWS GLUE

Date: 9th & 12th Aug 24
Time: 10:30 am Onwards

Venue : 404 LAB

Convenor :
Dr. P. Muthulakshmi
Professor & Head
Department of Computer Science
CS, SRM IST, KTR.

Organizers :
Dr. M. Ramesh, Assistant Professor
Dr. S. Revathi, Assistant Professor
Department of Computer Science
CS, SRM IST, KTR.

Accreditation logos: NAAC (A++), NIT (Category I with ISO Status), QS (2022 World Ranking one among 1000+ Universities), THE (2022 World Ranking one among 1000+ Universities), ARTEL (2021 Ranked 1st), SHANGHAI (2022 World Ranking one among 10 Indian Universities).

Gallery:



Attendance Report:

SRNO	NAME	REGNO	CLASS	SIGNATURE
1	Shruti Jothi	RA2432017010001	Msc CS	
2	KARTHIK R	RA2432017010002	Msc CS	
3	Abhishek Kumar	RA2432017010003	Msc CS	
4	Shruti Jothi	RA2432017010004	Msc CS	
5	Shruti Jothi	RA2432017010005	Msc CS	
6	Shruti Jothi	RA2432017010006	Msc CS	
7	Shruti Jothi	RA2432017010007	Msc CS	
8	Shruti Jothi	RA2432017010008	Msc CS	
9	Shruti Jothi	RA2432017010009	Msc CS	
10	Shruti Jothi	RA2432017010010	Msc CS	
11	Shruti Jothi	RA2432017010011	Msc CS	
12	Shruti Jothi	RA2432017010012	Msc CS	
13	Shruti Jothi	RA2432017010013	Msc CS	
14	Shruti Jothi	RA2432017010014	Msc CS	
15	Shruti Jothi	RA2432017010015	Msc CS	
16	Shruti Jothi	RA2432017010016	Msc CS	
17	Shruti Jothi	RA2432017010017	Msc CS	
18	Shruti Jothi	RA2432017010018	Msc CS	
19	Shruti Jothi	RA2432017010019	Msc CS	
20	Shruti Jothi	RA2432017010020	Msc CS	
21	Shruti Jothi	RA2432017010021	Msc CS	
22	Shruti Jothi	RA2432017010022	Msc CS	
23	Shruti Jothi	RA2432017010023	Msc CS	
24	Shruti Jothi	RA2432017010024	Msc CS	
25	Shruti Jothi	RA2432017010025	Msc CS	
26	Shruti Jothi	RA2432017010026	Msc CS	
27	Shruti Jothi	RA2432017010027	Msc CS	
28	Shruti Jothi	RA2432017010028	Msc CS	
29	Shruti Jothi	RA2432017010029	Msc CS	
30	Shruti Jothi	RA2432017010030	Msc CS	
31	Shruti Jothi	RA2432017010031	Msc CS	
32	Shruti Jothi	RA2432017010032	Msc CS	
33	Shruti Jothi	RA2432017010033	Msc CS	
34	Shruti Jothi	RA2432017010034	Msc CS	
35	Shruti Jothi	RA2432017010035	Msc CS	
36	Shruti Jothi	RA2432017010036	Msc CS	

Sample FeedBack Responses

8/12/2024	SHRI GANESH N	RA2432017010001	MSC CS	sn9603@srmist.edu.in	8825867829	Excellent	Very Relevant	Very Thoroughly	Very effective	Extremely valuable
8/12/2024	SANTH KUMAR L	RA2432003010001	MSC IT	sl6654@srmist.edu	9629101335	Excellent	Very Relevant	Adequately	Very effective	Very valuable

8/12/2024 16:19:04	Arun L	RA2432003010002	MSC-IT	al9188@srmist.edu.in	9042258996	Excellent	Very Relevant	Very Thoroughly	Effective	Extremely valuable
8/12/2024 16:20:28	Amal Nath TK	RA2432017010025	Msc CS	at6506@srmist.edu.in	9544942543	Good	Some what relevant	Adequately	Effective	Very valuable
8/12/2024 19:23:29	ARUL BALAN S	RA2432017010054	MSC COMPUTER SCIENCE	as8244@srmist.edu.in	6380119757	Excellent	Very Relevant	Very Thoroughly	Very effective	Extremely valuable
8/12/2024 20:38:11	Anitha	RA2131005010010	M.sc	ad7252@srmist.edu.in	9345140962	Good	Some what relevant	Not at all	Some what effective	Very valuable
8/12/2024 21:03:58	Praveen Kumar Patnaik	RA2432017010052	Msc - Computer Science	pp6065@srmist.edu.in	9573869550	Good	Very Relevant	Adequately	Very effective	Very valuable
8/12/2024 22:02:33	KANIM OZHIR	RA2432017010026	MSC Computer Science	kani5787652@gmail.com	9342100170	Excellent	Some what relevant	Adequately	Very effective	Very valuable
8/13/2024 9:30:46	Shafii Zakari	RA2432017010005	Msc CS	Shafse1.sz@gmail.com	8015489123	Excellent	Very Relevant	Adequately	Effective	Very valuable