

EVENT REPORT

2022 - 2023

GDSC Lead: Manav Joshi

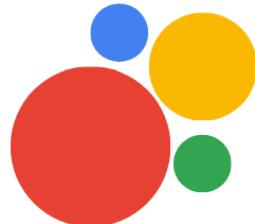
Faculty Advisor: Dr. Vatsal Shah

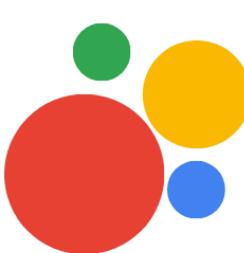
Faculty Coordinator: Prof. Bijal Dalwadi



Google Developer Student Clubs

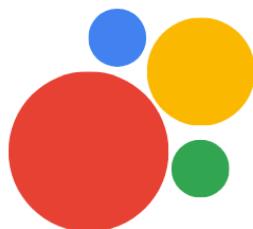
Birla Vishvakarma Mahavidyalaya

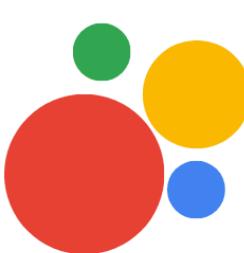




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BVM Starters 3.0



Date: 13th August, 2022

Time: 4:00 to 5:00 PM

Online Coding Platform: CodeChef

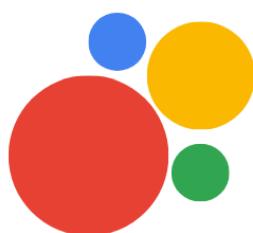
Clubs Associated: AICTE SPICE Sponsored GDSC BVM & CodeChef BVM

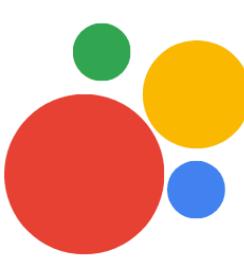
No. of Participants: 97

On 13th August, 2022, Google Developer Student Clubs - BVM and CodeChef BVM Chapter organized an online coding competition "BVM Starters 3.0". Coding enthusiastic participants were given 5 problem statements to solve in an hour. Each winner was given a cash prize of Rs 2,000.

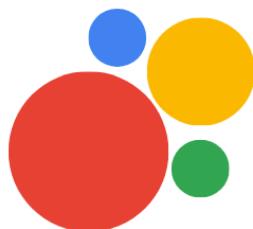
Winners of the event :

1. Khushi Sardhara (4th Year)
2. Yash Koringa (3rd Year)
3. Shaunak Mehta (2nd Year)





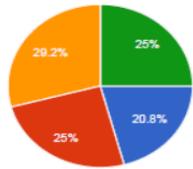
Glimpses of the event



Feedback from Students

How was the overall talk/lecture?

24 responses

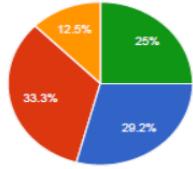


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- Excellent
- Very good
- Good
- Fair
- Poor

How relevant was the content discussed by the speaker?

24 responses

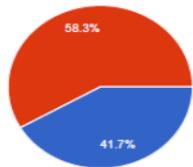


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- Excellent
- Very Good
- Good
- Fair
- Poor

Are you able to understand the concept, fundamentals and apply in complex engineering problems? (PO1)

24 responses

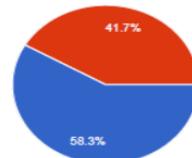


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- Yes
- No
- Maybe

Are you able to develop solutions for hearing the concepts so that you can apply in real time problems? (PO3)

24 responses

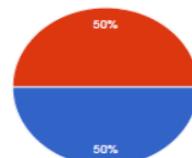


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- Yes
- No
- Maybe

Will you be able to apply the new knowledge to societal needs and concerns? (PO6)

24 responses



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- Yes
- No
- Maybe

Can you work effectively as a team after understanding this concept? (PO9)

24 responses

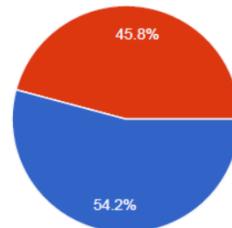


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- Yes
- No
- Maybe

Will you be effectively communicating with peers after understanding this concept? (PO10)

24 responses

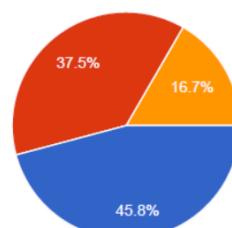


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- Yes
- No
- Maybe

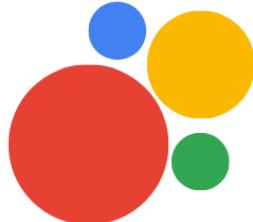
How effectively you will carry this understanding in your career building? (PO12)

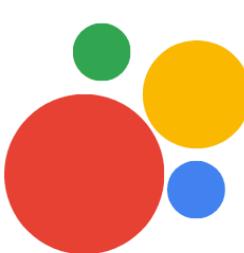
24 responses



[Copy](#)

- Very effectively
- Moderately effectively
- Somewhat effectively
- Not effectively





Kickstart Session on AWS

**AICTE-SPICE Sponsored
GDSC BVM**
presents
Kickstart Session on AWS
be a Certified Solutions Architect

Date: 2nd Sept, 2022 Time: 9:30 AM to 10:30 AM

Scan To Register

GDSC BVM **gdscbvm** **gdsbvm**

Date: 02/08/2022

Time: 9:30 AM to 10:30 AM

No. of Participants: 30

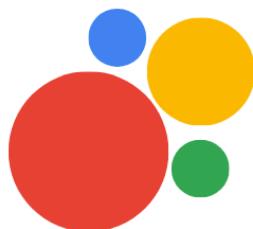
Venue : B201, B-Block, Birla Vishvakarma Mahavidyalaya, V.V.Nagar

Speakers: (1) Er. Nilesh Vaghela
(2) Er. Vrajesh Jayswal

On 2nd September 2022, GDSC-BVM organized a Kickstart Session on AWS. It was an introductory session for AWS and the certifications provided by AWS.

The session started with a welcome and introductory note about the speaker by Khushi Rangoonwala. Then, the session was handed over to the speakers. It was an interactive

session where participants can raise their doubts and also be given a chance to answer the questions asked by speakers in between the session.



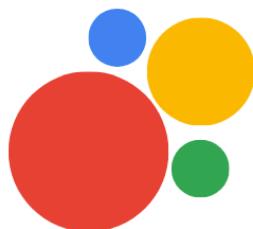
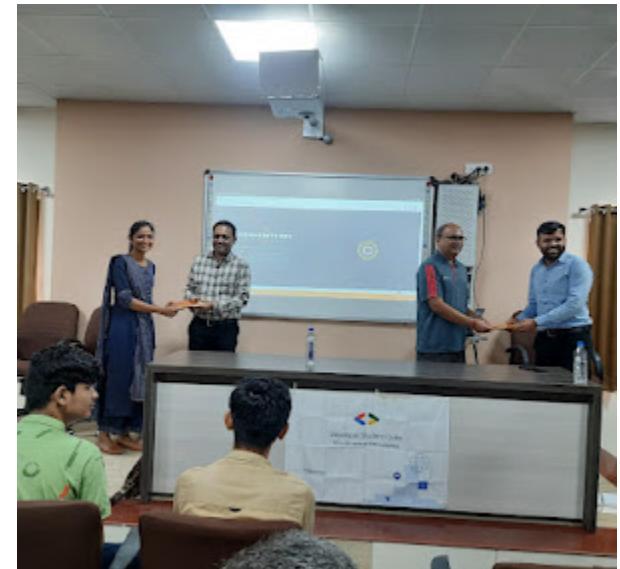
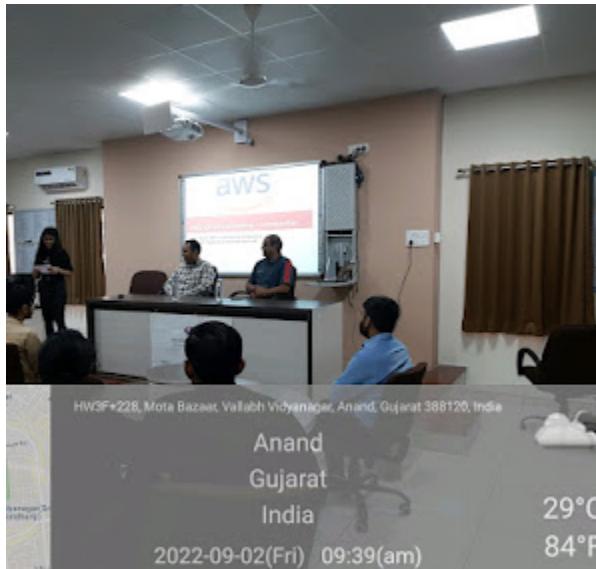


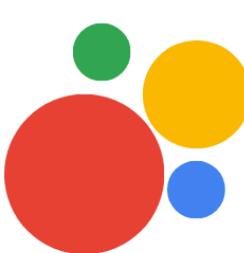
Topic Covered in the session are:

- What is Cloud Computing?
- Features of Cloud Computing.
- Advantages of Using Cloud Computing.
- Infrastructure as a Service(IaaS),Platform as a Service(PaaS) and Software as a Service(SaaS).
- What is AWS?
- Certified Exams of AWS and AWS Academy Event.

A Q&A session was held and after that vote of thanks was delivered by Manav Joshi, GDSC BVM Lead. The session was ended with felicitation of the speakers by Dr. Vatsal Shah and Prof. Bijal Dalwadi.

Glimpses of the event:





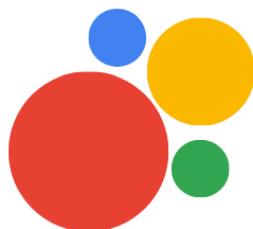
SESSION 1

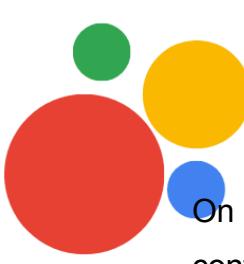
Details of Session 1:

Event Name:	AWS Academy
Date:	10/09/22 (Session 1) (offline)
Venue:	High computing lab (B 204)
Expert Name:	Mr. Vrajesh Jayswal
Duration:	10:00 am to 1:00 pm
Number Of Students:	20 (2 nd and 3 rd year from IT, CP)

Topic: Introduction of S3 bucket with hands on session

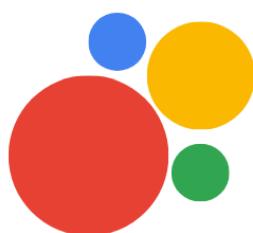
The expert started the session with the introduction of Amazon S3 and described it as an object storage service that stores data as objects within buckets. He further explained that an object is a file and any metadata that describes the file. A bucket is a container for objects. To store our data in Amazon S3, we have to first create a bucket and specify a bucket name along with the AWS Region. Then, we have to upload our data to that bucket as objects in Amazon S3. Each object has a key (or key name), which is the unique identifier for the object within the bucket.

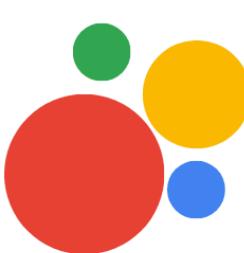




On telling the features of S3, the expert said that it provides features that we can configure to support our specific use case. For example, we can use S3 Versioning to keep multiple versions of an object in the same bucket, which allows us to restore objects that are accidentally deleted or overwritten.

Buckets and the objects in them are private and can be accessed only if we explicitly grant access permissions. We can use bucket policies, AWS Identity and Access Management (IAM) policies, access control lists (ACLs), and S3 Access Points to manage access.

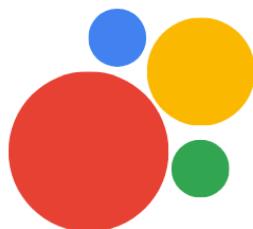




SESSION 2

Details of Session 2:

Event Name:	AWS Academy
Date:	13/09/22 (Session 2) (online)
Venue:	MSTeam
Expert Name:	Mr. Vrajesh Jayswal
Duration:	8:00 am to 10:00 am
Number Of Students:	20 (2 nd and 3 rd year from IT, CP,EL)



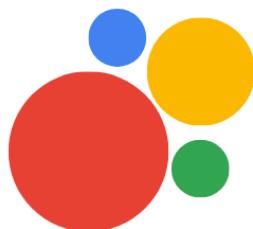


Topic: About Amazon S3 lifecycle policies

The expert explained that S3 Lifecycle configuration is a set of rules that define actions that Amazon S3 applies to a group of objects. There are two types of actions:

- 1. Transition actions** : These actions define when objects transition to another storage class. For example, one might choose to transition objects to the S3 Standard-IA storage class 30 days after creating them, or archive objects to the S3 Glacier Flexible Retrieval storage class one year after creating them.
- 2. Expiration actions** : These actions define when objects expire. Amazon S3 deletes expired objects on your behalf.

If there is any delay between when an object becomes eligible for a lifecycle action and when Amazon S3 transfers or expires your object, billing changes are applied as soon as the object becomes eligible for the lifecycle action. For example, if an object is scheduled to expire and Amazon S3 does not immediately expire the object, one won't be charged for storage after the expiration time.

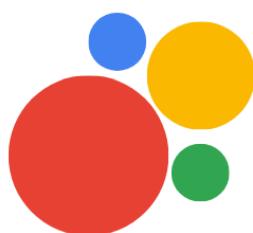




Glimpses of the event:

The screenshot shows a bar chart titled 'Amazon EC2 cost optimization guideline' from 'aws academy'. The chart illustrates the number of instances over time, with a significant peak in the middle. The y-axis is labeled 'Number of instances' and the x-axis is labeled 'time'. A text overlay on the page reads: 'To optimize the cost of Amazon EC2 instances, combine the available purchase options.' The page footer includes a copyright notice: '© 2020, Amazon Web Services, Inc. or its Affiliates. All rights reserved.' On the right side of the slide, there is a vertical list of participant profiles, each with a small photo, a name, and a '2' indicating they are paired.

The screenshot shows a slide titled 'AWS Academy Cloud Architecting' with the sub-section 'Module 5: Adding a Database Layer'. The background is a dark blue with a geometric pattern. The 'aws academy' logo is in the bottom right corner. On the right side of the slide, there is a vertical list of participant profiles, each with a small photo, a name, and a '2' indicating they are paired.



Amazon S3 costs

aws academy



Pay only for use, including:

GBs of objects stored (per month). Different pricing per *Region* and per *storage class*.

Transfer OUT to other Regions or the internet.

PUT, COPY, POST, LIST, GET, SELECT, lifecycle transition, data retrieval requests.

No charge for:

Data transfers IN from the internet to Amazon S3.

Transfers between S3 buckets or from Amazon S3 to any services in the same AWS Region.

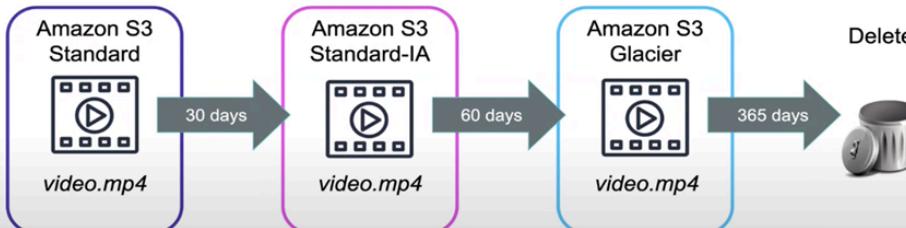
Transfer OUT to Amazon CloudFront.

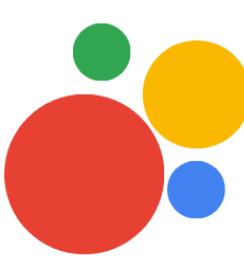
DELETE and CANCEL requests.

Amazon S3 lifecycle policies

aws academy

Configure an **Amazon S3 Lifecycle Policy** to delete or move objects based on age.

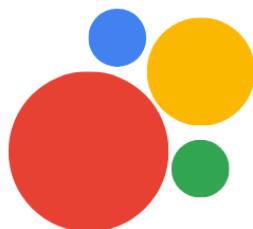




SESSION 3

Details of Session 3:

Event Name:	AWS Academy
Date:	15/09/22 (Session 3) (online)
Venue:	MSTeam
Expert Name:	Mr. Vrajesh Jayswal
Duration:	8:00 am to 10:00 am
Number Of Students:	20 (2 nd and 3 rd year from IT, CP, EL)

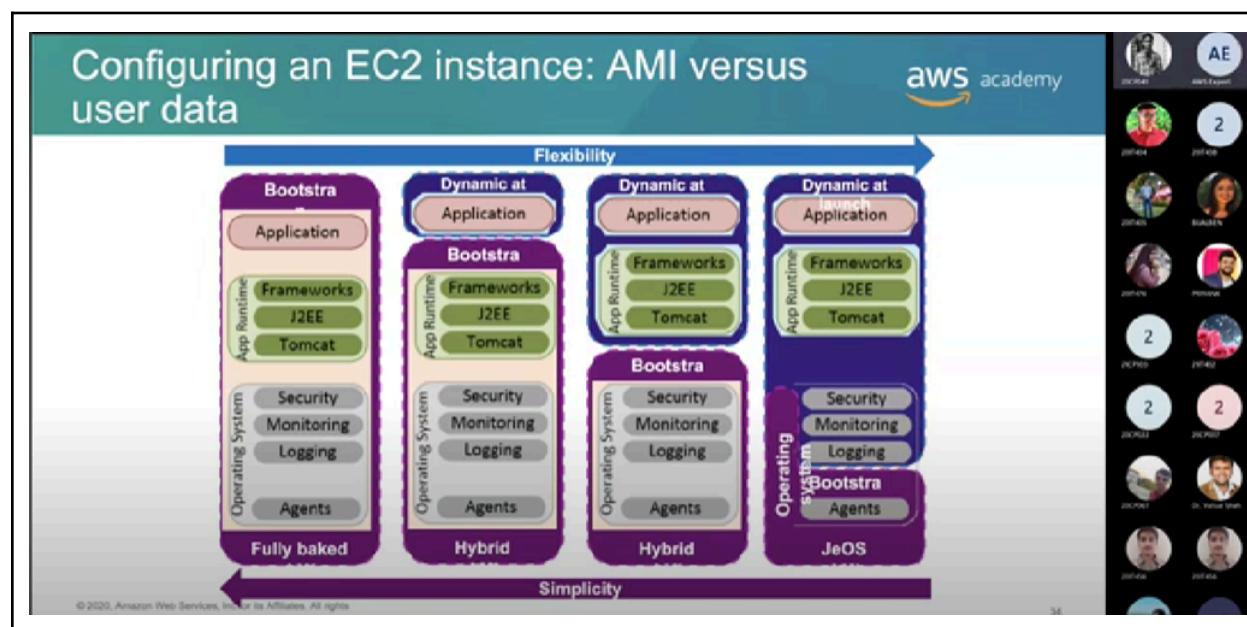


Topic: Introduction of EC2 instance

The expert explained about Amazon Elastic Compute Cloud (Amazon EC2) and how it provides scalable computing capacity in the Amazon Web Services (AWS) Cloud. Using Amazon EC2 eliminates one's need to invest in hardware up front, so you can develop and deploy applications faster. One can use Amazon EC2 to launch as many or as few virtual servers as you need, configure security and networking, and manage storage. Amazon EC2 enables one to scale up or down to handle changes in requirements or spikes in popularity, reducing one's need to forecast traffic.

The expert also explained about Pricing for Amazon EC2 Amazon EC2 provides the various purchasing options for instances like On-Demand Instances, Savings Plans, Reserved Instances, Spot Instances.

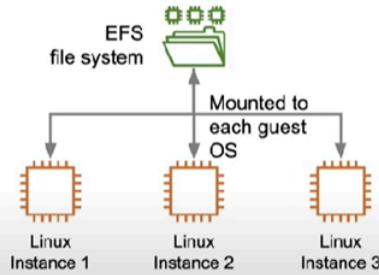
Glimpses of the event:



Amazon EFS use cases



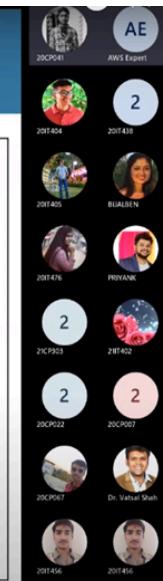
Common workloads and applications:



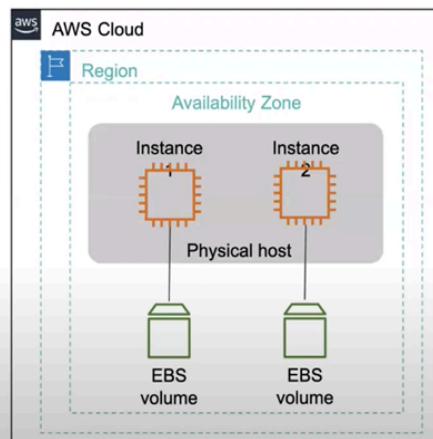
- Home directories
- File system for enterprise applications
- Application testing and development
- Database backups
- Web serving and content management
- Media workflows
- Big data analytics

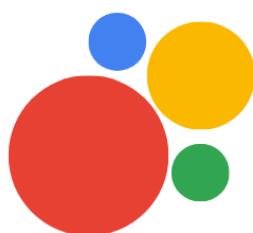
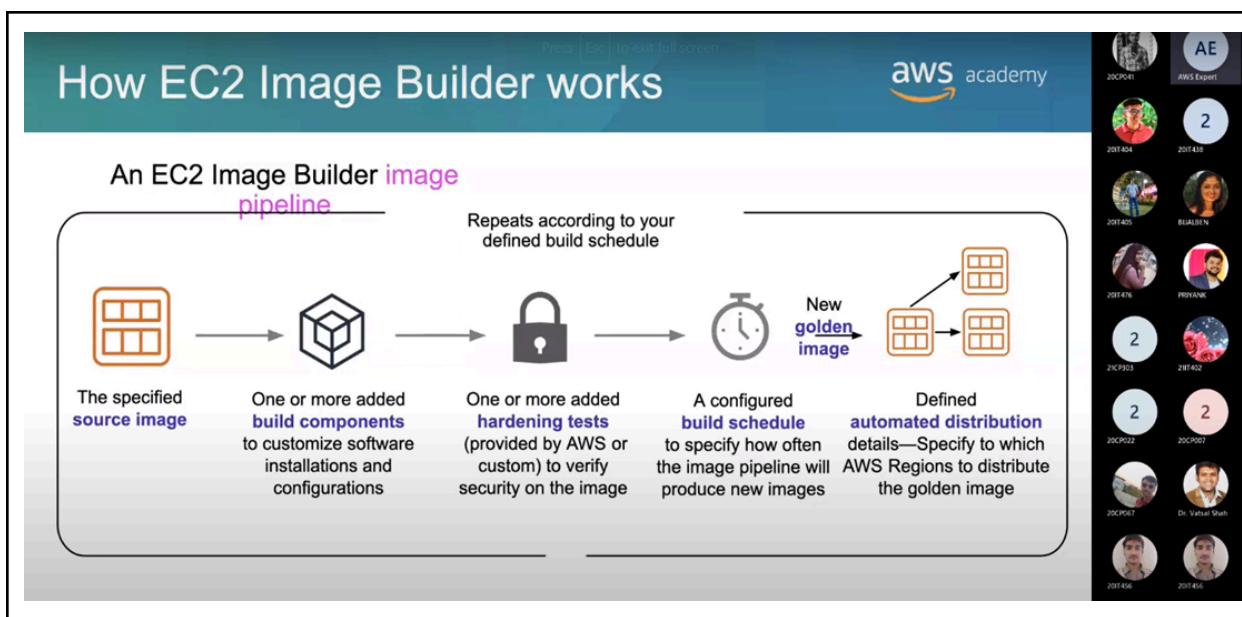
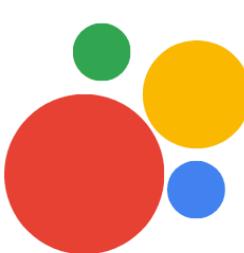
Example command to mount the file system to each guest OS:
\$ sudo mount -t nfs4 mount-target-DNS:/ ~/efs-mount-point

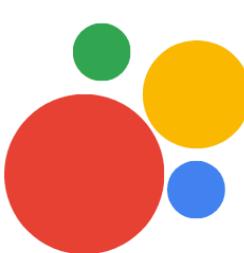
Amazon EBS



- Amazon EBS volumes provide **network-attached persistent storage** to an EC2 instance.
- Characteristics –
 - Is persistent block-level storage
 - Can attach to any instance in the same Availability Zone
 - Uses HDD or SSD
 - Can be encrypted
 - Supports snapshots that are persisted to S3
 - Data persists independently from the life of the instance
- Example use cases –
 - Stand-alone database
 - General application data storage







SESSION 4

Details of Session 4:

Event Name:	AWS Academy
Date:	17/09/22 (Session 4) (online)
Venue:	MS Teams
Expert Name:	Mr. Vrajesh Jayswal
Duration:	10:00 am to 1:00 pm
Number of Students:	20 (2 nd and 3 rd year from IT, CP)

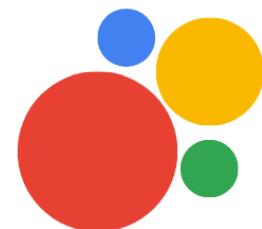
Topic: 1. Creating Static Website

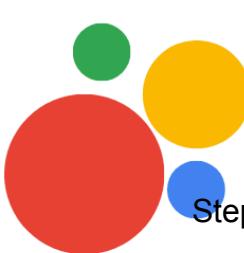
The expert explained how to create a static website using AWS S3 using the following steps:

Step 1: Create a bucket

Step 2: Enable static website hosting

Step 3: Edit Block Public Access settings





Step 4: Add a bucket policy that makes your bucket content publicly available

Step 5: Configure an index document

Step 6: Configure an error document

Step 7: Test your website endpoint

Step 8: Clean up

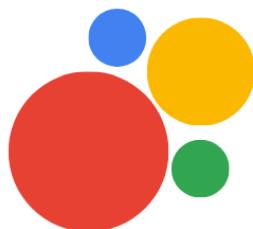
2. Static Website Hosting

In this session we learnt the following things:

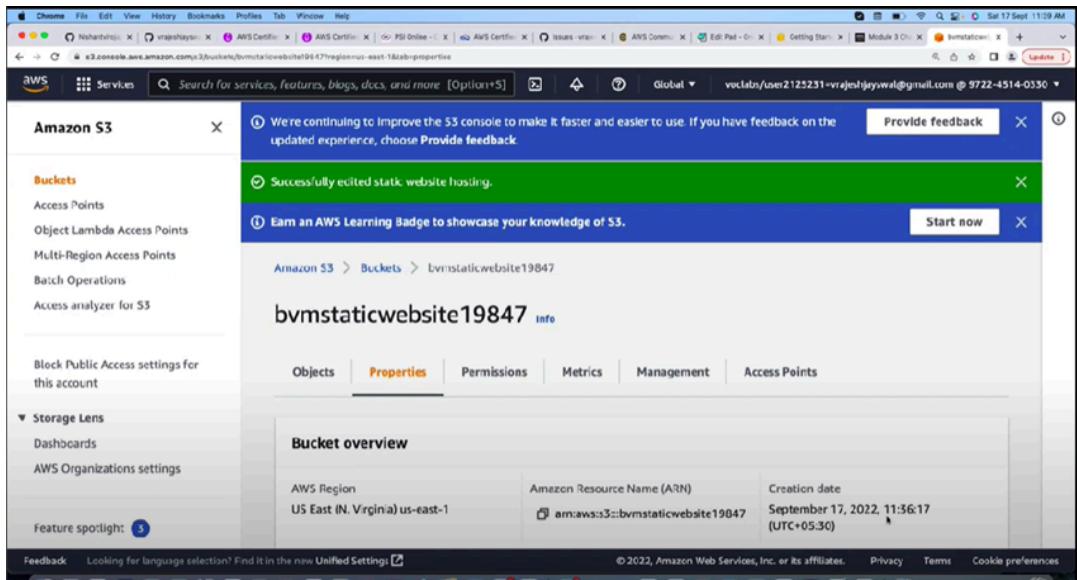
- Hosting a static website using AWS Amplify in the AWS console. AWS Amplify provides fully managed hosting for static websites and web apps. Amplify's hosting solution leverages Amazon CloudFront and Amazon S3 to deliver one's site assets via the AWS content delivery network (CDN).
- Set up continuous deployment: Amplify offers a Git-based workflow with continuous deployment, allowing you to automatically deploy updates to one's site on every code commit.

3. Creating a Dynamic website

- Purchase Domain Name and Web Hosting
- Install WordPress to Build Your Site
- Picking the Right WordPress Theme
- Picking the Right Plugins



Glimpses of the event:

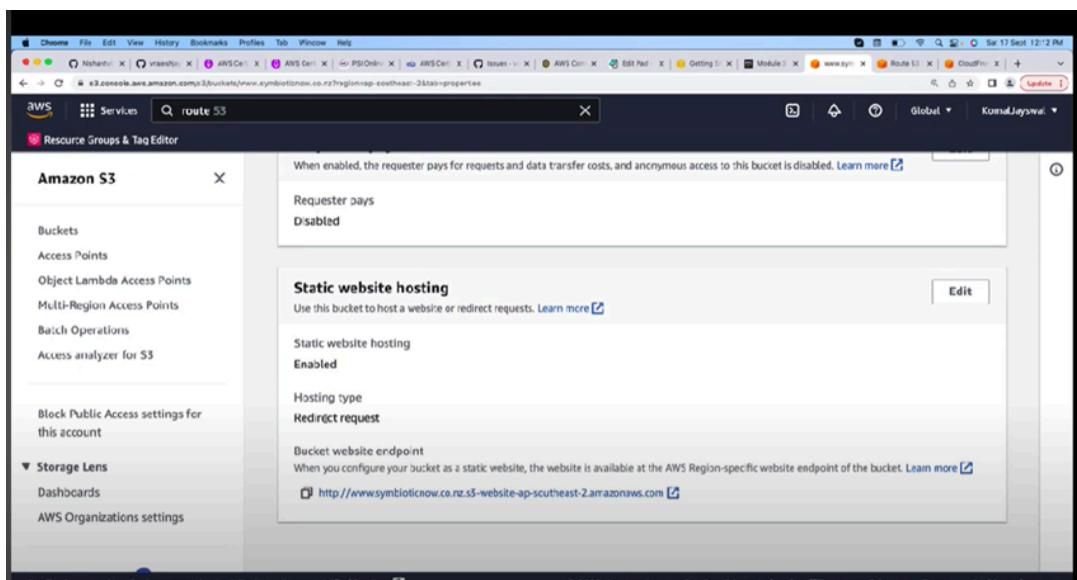


The screenshot shows the AWS S3 Bucket Properties page for the bucket 'bvmstaticwebsite19847'. The 'Properties' tab is selected. Key details shown include:

- AWS Region:** US East (N. Virginia) us-east-1
- Amazon Resource Name (ARN):** arn:aws:s3:::bvmstaticwebsite19847
- Creation date:** September 17, 2022, 11:56:17 (UTC+05:30)

Feedback messages at the top of the page include:

- We are continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose [Provide feedback](#).
- Successfully edited static website hosting.
- Earn an AWS Learning Badge to showcase your knowledge of S3. [Start now](#)

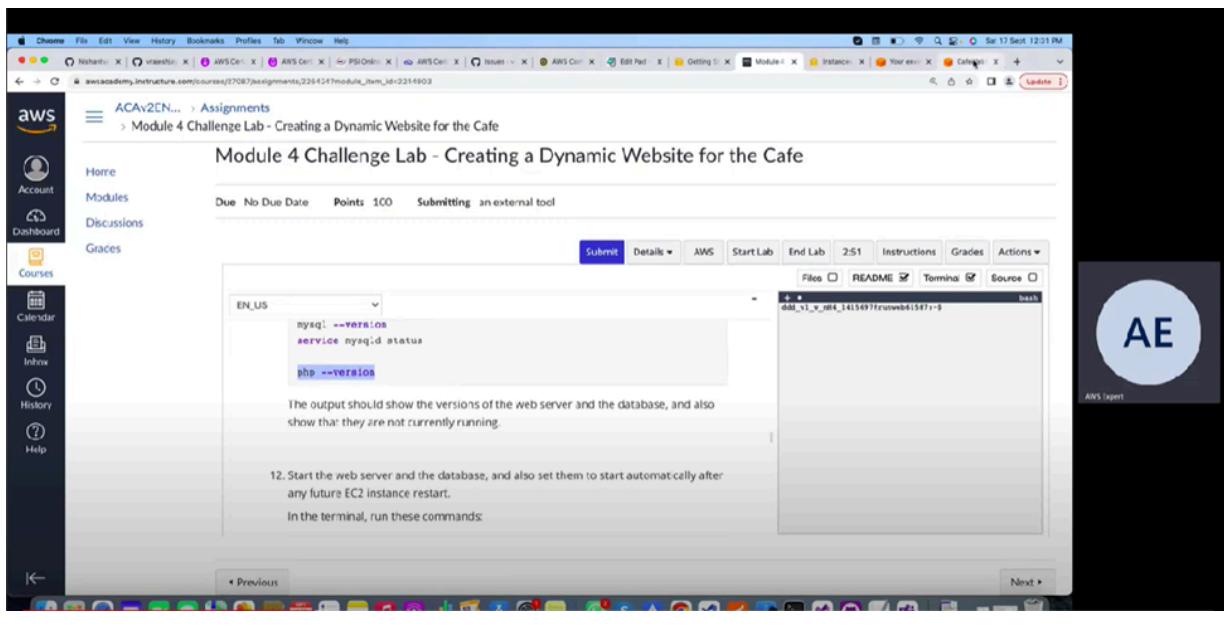


The screenshot shows the AWS S3 Bucket Properties page for the bucket 'route 53'. The 'Properties' tab is selected. Key details shown include:

- Requester pays:** Disabled
- Static website hosting:** Enabled
- Hosting type:** Redirect request
- Bucket website endpoint:** <http://www.symbioticon.co.nz.s3-website-ap-southeast-2.amazonaws.com>

Feedback message at the top of the page:

- When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. [Learn more](#)



aws

ACAv2EN... > Assignments

Module 4 Challenge Lab - Creating a Dynamic Website for the Cafe

Home Modules Discussions Grades

Due No Due Date Points 100 Submitting an external tool

EN_US

```
mysql --version
service mysql start
php --version
```

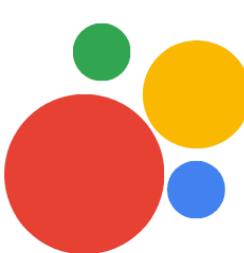
The output should show the versions of the web server and the database, and also show that they are not currently running.

12. Start the web server and the database, and also set them to start automatically after any future EC2 instance restart.

In the terminal, run these commands:

File README Terminal Source

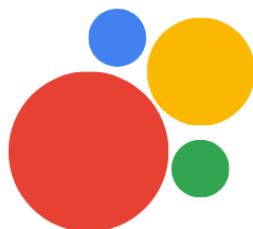
AE AWS Expert

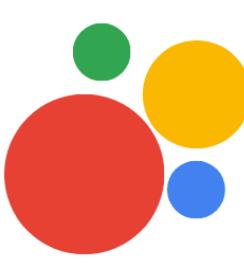


SESSION 5

Details of Session 5:

Event Name:	AWS Academy
Date:	22/09/22 (Session 5) (online)
Venue:	MSTeam
Expert Name:	Mr. Vrajesh Jayswal
Duration:	8:00 am to 10:00 am
Number Of Students:	20 (2 nd and 3 rd year from IT, CP,EL)





Topic: Amazon RDS, DynamoDB

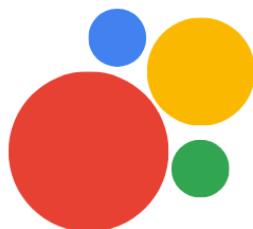
The expert started the session with the introduction on Amazon Relational Database Service (RDS). He said that it is a managed SQL database service provided by Amazon Web Services (AWS). Amazon RDS supports an array of database engines to store and organize data. It also helps with relational database management tasks, such as data migration, backup, recovery and patching.

Databases are used to store large quantities of data that applications can draw on to help them perform various functions. A relational database uses tables to store data. It is called relational because it organizes data points with defined relationships.

With DynamoDB, you can create database tables that can store and retrieve any amount of data and serve any level of request traffic. You can scale up or scale down your tables' throughput capacity without downtime or performance degradation. You can use the AWS Management Console to monitor resource utilization and performance metrics.

He explained features of DynamoDB that allow importing data from Amazon S3 directly into a new DynamoDB table without writing any code or managing additional infrastructure.

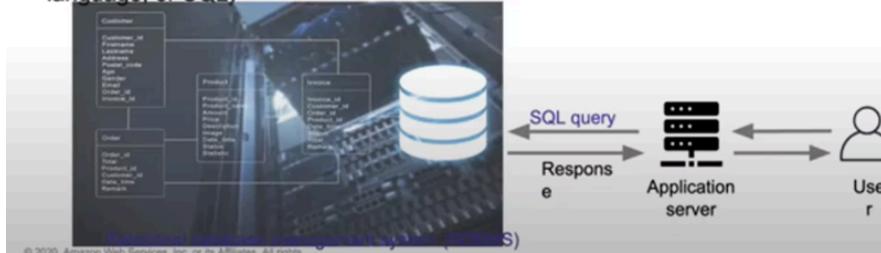
AWS Glue Elastic Views supports DynamoDB as a source to combine and replicate data continuously across multiple databases in near real-time.



Glimpses of the event:

Relational database type

aws academy



Benefits:

- Ease of use
- Data integrity
- Reduced data storage
- Common language (structured query language, or SQL)

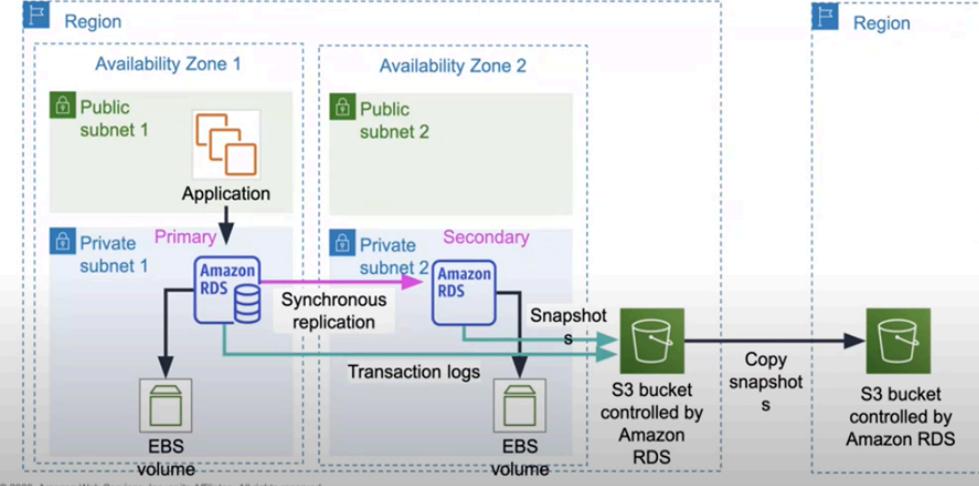
Relational is ideal when you:

- Need strict schema rules, ACID compliance, and data quality enforcement
- Do not need extreme read/write capacity
- Do not need extreme performance
 - An RDBMS can be the best, lowest-effort solution

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Amazon RDS backup solution

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Region

Availability Zone 1

- Public subnet 1
- Private subnet 1
- Application
- Amazon RDS (Primary)
- EBS volume

Availability Zone 2

- Public subnet 2
- Private subnet 2
- Amazon RDS (Secondary)
- EBS volume

Region

- Synchronous replication
- Transaction logs
- Snapshot
- S3 bucket controlled by Amazon RDS
- Copy snapshot
- S3 bucket controlled by Amazon RDS

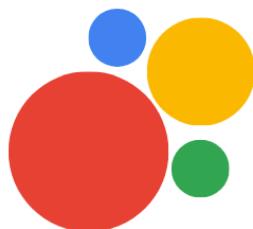
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SESSION 6

Details of Session 6:

Event Name:	AWS Academy
Date:	24/09/22 (Session 6) (online)
Venue:	MS Teams
Expert Name:	Mr. Vrajesh Jayswal
Duration:	10:00 am to 1:00 pm
Number Of Students:	20 (2 nd and 3 rd year from IT, CP)





Topic: Create a virtual private cloud

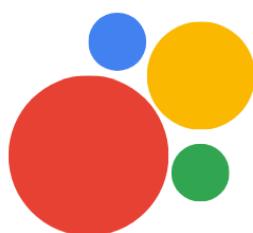
The expert explained the following steps in detail to create a virtual private cloud:

- Sign in to the AWS Management Console, and open the Amazon VPC console.
- In the VPC dashboard, choose Create VPC.Under Resources to create, choose VPC and more.
- Under Number of Availability Zones (AZs), choose the number of Availability Zones you want to launch your subnets in.
- Under Number of public subnets, choose the number of public subnets you want to add to your VPC.
- Under Number of private subnets, choose the number of private subnets you want to add to your VPC.
- Create an Amazon VPC security group. You will use this group for your cache cluster and your Amazon EC2 instance.
- In the navigation pane of the Amazon VPC Management console, choose Security Groups.
- Choose Create Security Group.
- Type a name and a description for your security group in the corresponding boxes. In the VPC box, choose the identifier for your Amazon VPC.
- When the settings are as you want them, choose Yes, Create.

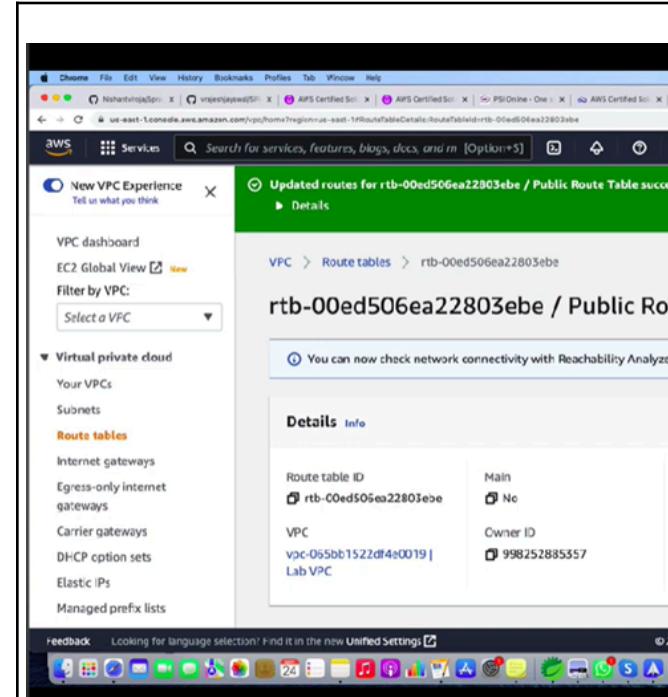
Set the following values for your new inbound rule to allow HTTP access:

Type: HTTP, choose Apply Rule Changes.

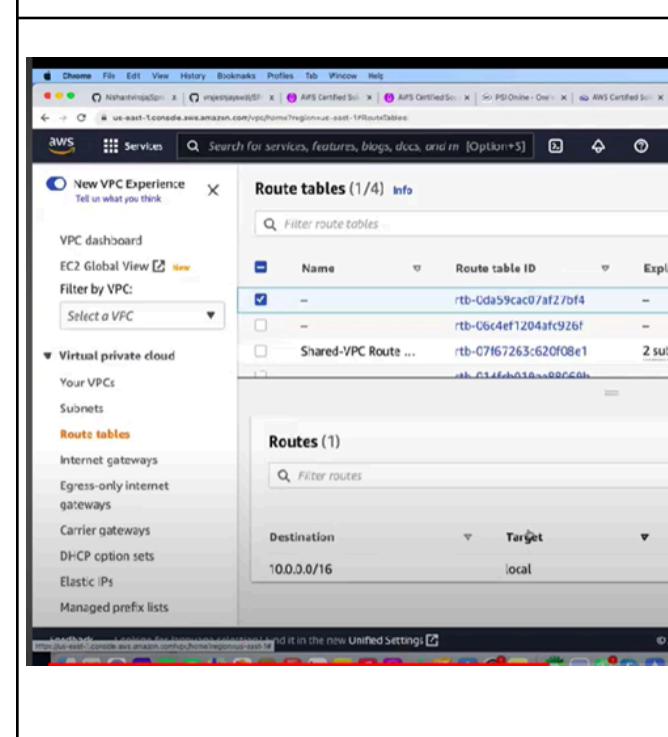
Now one is ready to create a cache subnet group and launch a cache cluster in your Amazon VPC.



Glimpses of the event:



The screenshot shows the AWS VPC Route Tables page. The URL is <http://us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#RouteTables>. The page title is "Updated routes for rtb-00ed506ea22803ebe / Public Route Table successful". The main content area shows the route table details for "rtb-00ed506ea22803ebe / Public Route Table". The route table ID is "rtb-00ed506ea22803ebe", and it is the "Main" route table for VPC "vpc-055bb1522df4e0019". The owner ID is "998252885557" and it is a "Lab VPC". Below this, there is a "Details" section and a "Feedback" message about language selection.



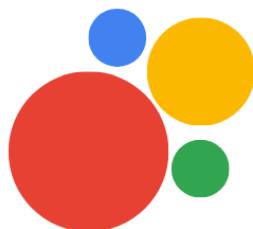
The screenshot shows the AWS VPC Route Tables page. The URL is <http://us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#RouteTables>. The page title is "Route tables (1/4) / Info". The main content area shows a table of route tables with one entry: "rtb-0da59cac07af27bf4". Below this, there is a "Routes (1)" section showing a single route with destination "10.0.0/16" and target "local". The left sidebar shows the "Route tables" section selected.



SESSION 7

Details of Session 7:

Event Name:	AWS Academy
Date:	27/09/22 (Session 7) (online)
Venue:	MSTeam
Expert Name:	Mr. Vrajesh Jayswal
Duration:	8:00 am to 10:00 am
Number Of Students:	20 (2 nd and 3 rd year from IT, CP,EL)





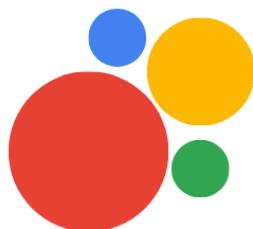
Topic: Securing user and application access

The session started with a brief explanation of AWS IAM. Identity and Access Management securely controls individual and group access to one's AWS Resources. It easily integrates with other AWS Services and also supports multi-factor authentication. The expert also stated various IAM Components like IAM User, IAM Group, IAM Policy, IAM Role and explained each of them in detail.

IAM User is defined in one's AWS account. One can use credentials to authenticate programmatically. IAM Group is a group of users that are granted identical authorization. IAM Policy defines which resources can be accessed and the level of access to each resource. IAM Role is a mechanism to grant temporary access for making AWS service requests, assumable by a person, application, or service.

Given below are some of the outcomes one can achieve by attending the session:

- Explain the purpose of AWS Identity and Access Management (IAM) users, groups, and roles.
- Describe how to allow user federation within an architecture to increase security.
- Recognize how AWS Organizations service control policies (SCPs) increase security within an architecture.
- Describe how to manage multiple AWS accounts.
- Configure IAM users.



Glimpses of the event:

AWS Sessions 27092022

Secure the root account

The account root user has a large amount of power. Recommended security steps:

1. Create an IAM admin user
2. Lock away the root user credentials
3. Further access to account for most tasks via
 - AWS Management Console
 - AWS Command Line Interface (AWS CLI)
 - AWS Tools and software development kits (SDKs)

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AWS Sessions 27092022

IAM roles

- IAM role characteristics**
 - Provides *temporary* security credentials
 - Is not uniquely associated with one person
 - Is *assumable* by a *person, application, or service*
 - Is often used to delegate access
- Use cases**
 - Provide AWS resources with access to AWS services
 - Provide access to externally authenticated users
 - Provide access to third parties
 - Switch roles to access resources in –
 - Your AWS account
 - Any other AWS account (cross-account access)

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Identity-based versus resource-based policies

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Identity-based policies

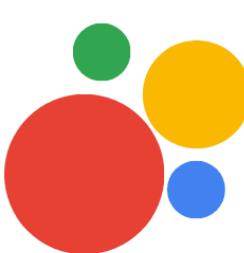
- Attached to a user, group, or role
- Types of policies
 - AWS managed
 - Customer managed
 - Inline



Resource-based policies

- Attached to AWS resources
 - Example: Attach to an Amazon S3 bucket
- Always an inline policy

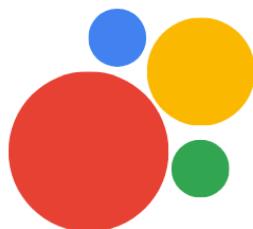




SESSION 8

Details of the Session 8:

Event Name:	AWS Academy
Date:	29/09/22 (Session 8) (online)
Venue:	MSTeam
Expert Name:	Mr. Vrajesh Jayswal
Duration:	8:00 am to 10:00 am
Number Of Students:	20 (2 nd and 3 rd year from IT, CP,EL)





Topic: Implementing Elasticity, High Availability and Monitoring

The expert started the session by defining elasticity and giving various examples of it in the computer domain. He also defined scaling, which is a technique used to achieve elasticity. Scaling is of two types: Horizontal Scaling and Vertical Scaling. There are three scaling options:

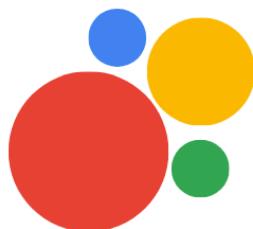
Scheduled Scaling: Scaling based on time (Good for predictable workloads)

Dynamic Scaling: Scaling based on target tracking (Good for changing conditions)

Predictive Scaling: Scaling based on machine learning (Good for predicted demand)

The outcomes of an interactive session are as follows:

- Use Amazon EC2 Auto Scaling within an architecture to promote elasticity
- Able to explain how to scale your database resources
- Deploy an Application Load Balancer to create a highly available environment
- Use Amazon Route 53 for Domain Name System (DNS) failover
- Create a highly available environment
- Design architectures that use Amazon CloudWatch to monitor resources and react accordingly





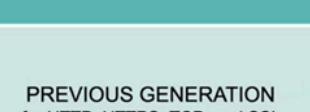
Glimpses of the event:

AWS Sessions 29092022

Press Esc to exit full screen

Types of load balancers

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Application Load Balancer	Network Load Balancer	Classic Load Balancer
		
<ul style="list-style-type: none">Flexible application managementAdvanced load balancing of HTTP and HTTPS trafficOperates at the request level (Layer 7)	<ul style="list-style-type: none">Ultra-high performance and static IP address for your applicationLoad balancing of TCP, UDP, and TLS trafficOperates at the connection level (Layer 4)	<ul style="list-style-type: none">Load balancing across multiple EC2 instancesOperates at both the request level and connection level



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AWS Sessions 29092022

Amazon Route 53 supported routing

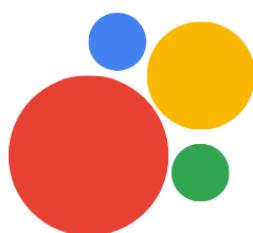


The diagram illustrates the global reach of Amazon Route 53. It shows a world map with several regions highlighted by dashed lines and colored circles. A central 'User' icon is connected by a dashed line to a region in North America, which is highlighted with a purple circle. Another dashed line connects the user to a region in Australia, highlighted with a blue circle. Other regions are marked with orange and green circles, indicating various routing types or health status. The regions are distributed across the Americas, Europe, and Asia.

- Simple routing
- Weighted round robin routing
- Latency-based routing
- Geolocation routing
- Geoproximity routing
- Failover routing
- Multivalue answer routing

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Profile	Score	Comments
2017410	2	20CP007
AE	2	AWS Expert
2017403	2	
2017410	2	20CP022
Dr. Vaishal Shah	2017456	
2017400	2	20CP024
2017404	2	
2017416	2	20CP026
SHALBEN	2017416	



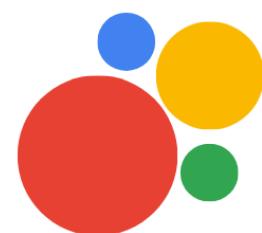
Section 3 key takeaways

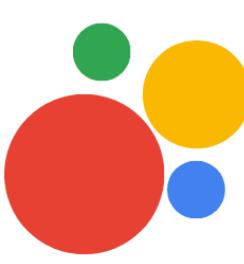


33

- You can use [push-button scaling](#) to vertically scale compute capacity for your RDS DB instance
- You can use [read replicas](#) or [shards](#) to horizontally scale your RDS DB instance
- With [Amazon Aurora](#), you can choose the DB instance class size and number of Aurora replicas (up to 15)
- [Aurora Serverless](#) scales resources automatically based on the minimum and maximum capacity specifications
- Amazon DynamoDB [On-Demand](#) offers a pay-per-request pricing model
- DynamoDB [auto scaling](#) uses Amazon Application Auto Scaling to dynamically adjust provisioned throughput capacity
- DynamoDB [adaptive capacity](#) works by automatically increasing throughput capacity for partitions that receive more traffic

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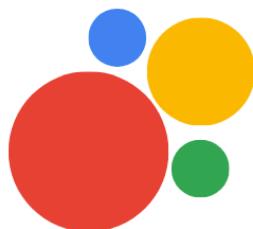


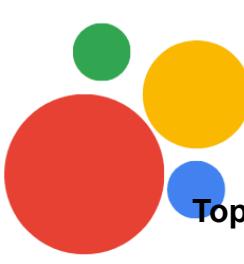


SESSION 9

Details of Session 9:

Event Name:	AWS Academy
Date:	01/10/22 (Session 9) (online)
Venue:	MSTeam
Expert Name:	Mr. Vrajesh Jayswal
Duration:	8:00 am to 10:00 am
Number Of Students:	20 (2 nd and 3 rd year from IT, CP, EL)





Topic: Creating a highly scalable and available environment

The following steps were explained by the expert in the session:

Task 1: Inspecting your environment

Task 2: Creating a NAT gateway for the second Availability Zone

Task 3: Creating a bastion host instance in a public subnet

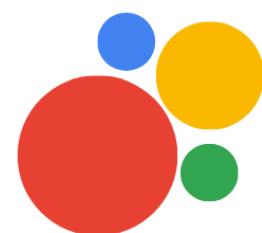
Task 4: Creating a launch template

Task 5: Creating an Auto Scaling group

Task 6: Creating a load balancer

Task 7: Testing the web application

Task 8: Testing automatic scaling under load



Glimpses of the event:

Module 9 Guided Lab - Creating a Highly Available Environment

Home Due: No Due Date Points: 100 Submitting: an external tool

Submit Details AWS Start Lab End Lab 2:42 Instructions Grades Actions

EN_US

11. Choose the **Network ACL** tab.

This tab has information about the network access control list (network ACL) that is associated with the subnet. The rules currently permit *all* traffic to flow in and out of the subnet, but the rules can be further restricted by using security groups.

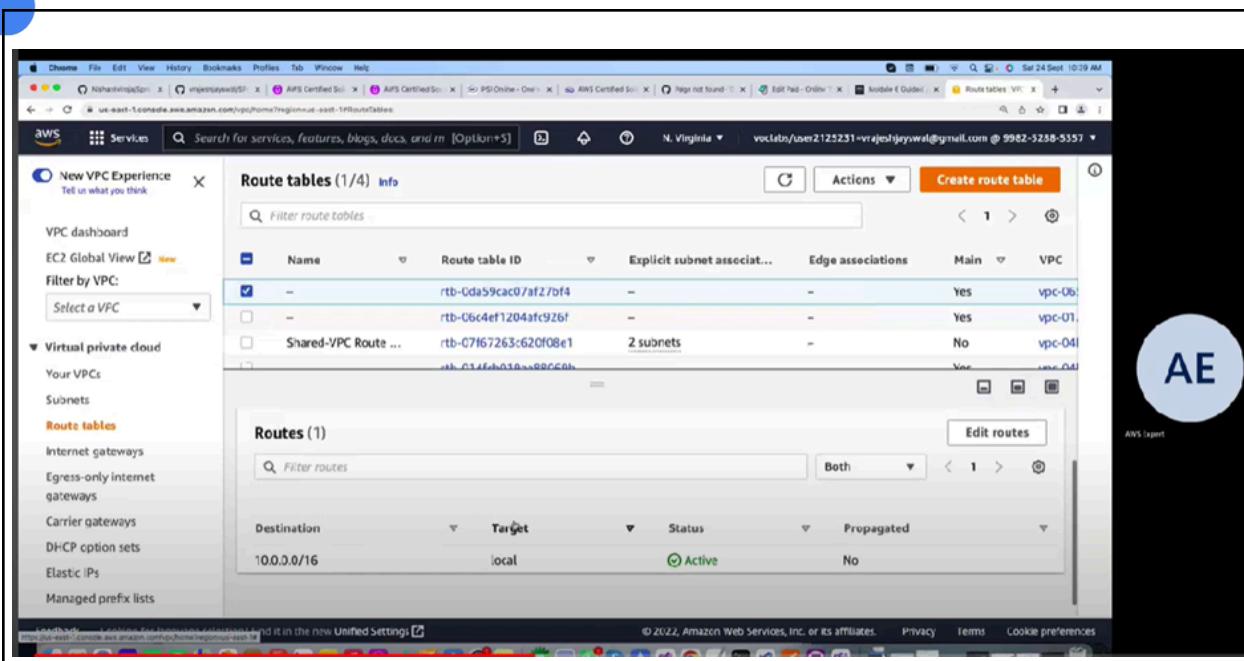
12. In the left navigation pane, choose **Internet Gateways**.

Notice that an internet gateway is already associated with the subnet.

Files README Terminal Source

baseb

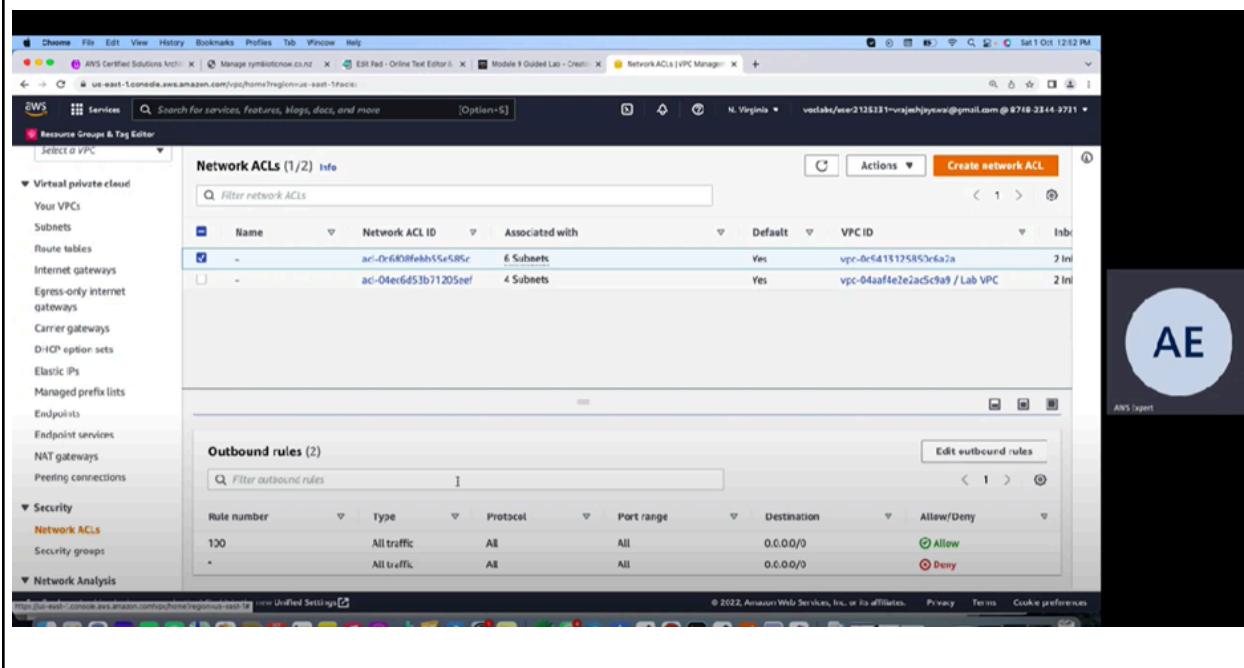
AE



The screenshot shows the AWS VPC Route Tables page. The left sidebar is for the VPC Experience, with the 'Route tables' section selected. The main content area shows 'Route tables (1/4) Info' with a table of route tables. One route table is selected, showing its 'Routes (1)'.

Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC
rtb-0da59cac0/af27bf4	—	—	—	Yes	vpc-06...
rtb-05c4ef1204af926f	—	—	—	Yes	vpc-01...
Shared-VPC Route ...	rtb-07f67263:620f08e1	2 subnets	—	No	vpc-04...

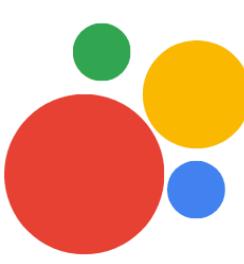
Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No



The screenshot shows the AWS Network ACLs page. The left sidebar is for the VPC Experience, with the 'Network ACLs' section selected. The main content area shows 'Network ACLs (1/2) Info' with a table of network ACLs. One network ACL is selected, showing its 'Outbound rules (2)'.

Name	Network ACL ID	Associated with	Default	VPC ID	Int...
aci-0640febb55a585c	aci-0640febb55a585c	6 Subnets	Yes	vpc-08e411125853c6a2a	2 In...
aci-04ec6d53b71205ee	aci-04ec6d53b71205ee	4 Subnets	Yes	vpc-04aa4e2e2ac5c9a9 / Lab VPC	2 In...

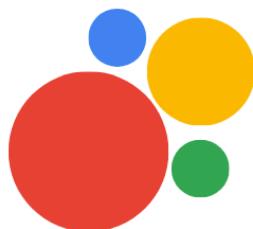
Rule number	Type	Protocol	Port range	Destination	Allow/Deny
100	All traffic	All	All	0.0.0.0/0	Allow
*	All traffic	All	All	0.0.0.0/0	Deny

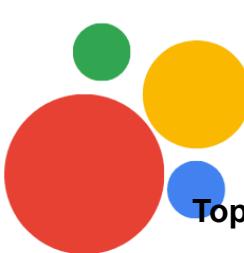


SESSION 10

Details of Session 10:

Event Name:	AWS Academy
Date:	04/10/22 (Session 10) (online)
Venue:	MS Teams
Expert Name:	Mr. Vrajesh Jayswal
Duration:	10:00 am to 1:00 pm
Number of Students:	20 (2 nd and 3 rd year from IT, CP)





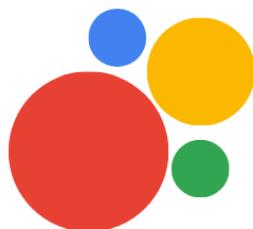
Topic : Automating Your Architecture

The expert started his session by giving an introduction to automating your architecture in 5 types.

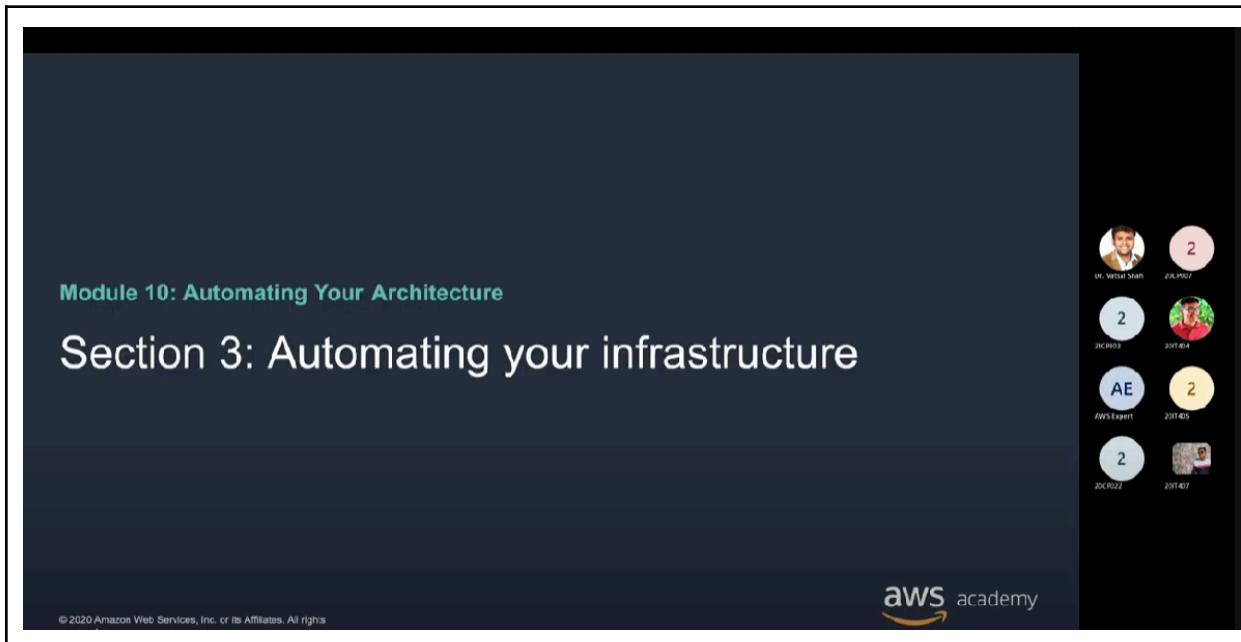
One can use AWS Lambda to automate repetitive processes by triggering them with events or by running them on a fixed schedule. One can automatically update the firmware of hardware devices, start and stop Amazon EC2 instances, schedule security group updates, or automate your test and deployment pipeline. Amazon automation is a set of processes and/or technologies that perform certain routine business tasks and workflows, well, automatically. Examples include chatbots, demand planning, order entry and fulfillment, among others. An automated infrastructure provides repeatability for quickly setting up environments. These environments can each be dedicated to a single purpose: development, integration, user acceptance testing (UAT) or performance testing, and production.

The expert also mentioned about CloudFormation testing with TaskCat steps:

1. Upload your templates to an S3 bucket.
2. Sign in to the AWS Management Console.
3. Open the AWS CloudFormation console.
4. Enter the S3 path to your parent template.
5. Manually enter parameter values.
6. Launch the stack.
7. Wait to see if the deployment succeeds or fails.



Glimpses of the event:



Module 10: Automating Your Architecture

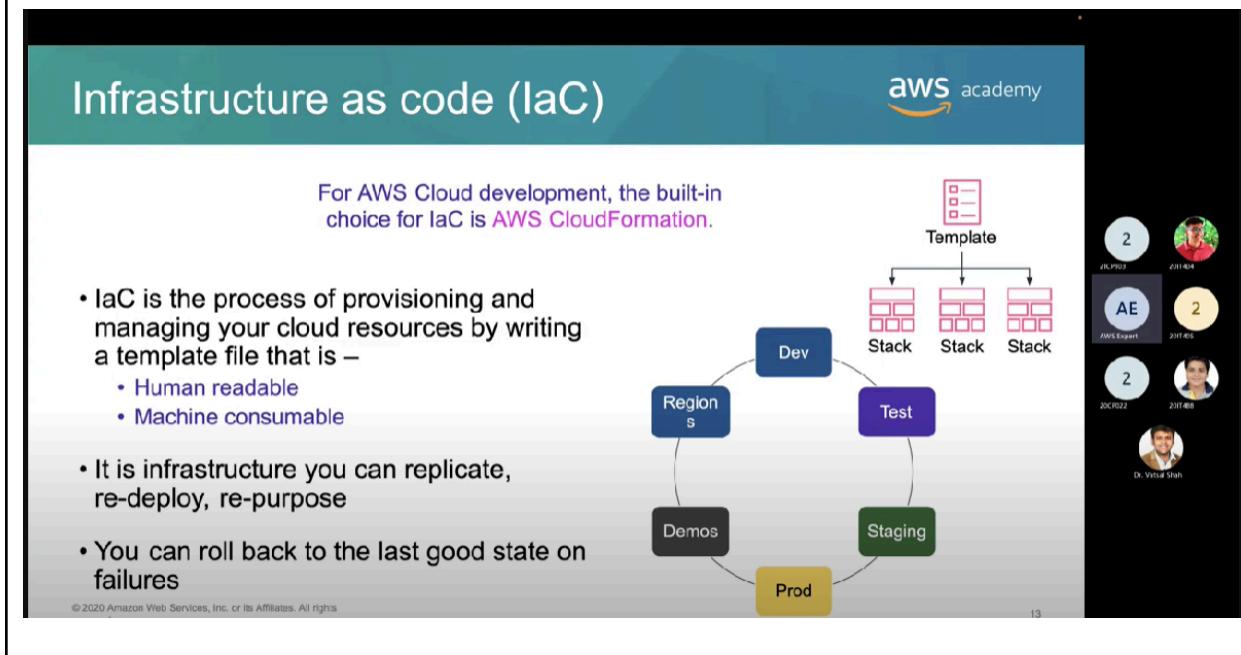
Section 3: Automating your infrastructure

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Participants (10):

- Mr. Vatsal Shah (20LPS02)
- 2 (21CP03)
- 2 (21IT45)
- AE (20IT45)
- 2 (20CP02)
- 2 (20IT47)
- Dr. Vatsal Shah (20LPS03)
- 2 (21IT48)
- AE (20IT46)
- 2 (20CP02)
- 2 (20IT48)
- Dr. Vatsal Shah (20LPS03)



Infrastructure as code (IaC)

For AWS Cloud development, the built-in choice for IaC is AWS CloudFormation.

- IaC is the process of provisioning and managing your cloud resources by writing a template file that is –
 - Human readable
 - Machine consumable
- It is infrastructure you can replicate, re-deploy, re-purpose
- You can roll back to the last good state on failures

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Regions

Template

Stack

Stack

Stack

Dev

Test

Demos

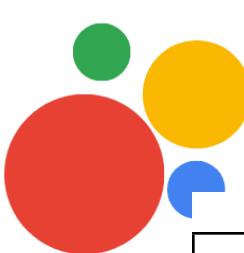
Staging

Prod

13

Participants (10):

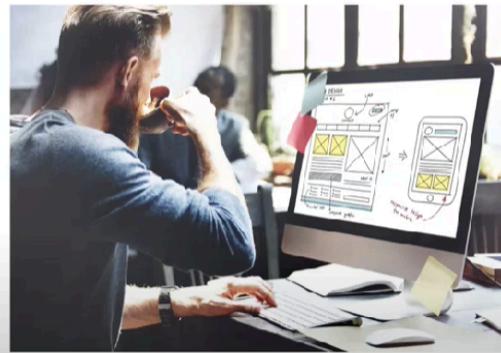
- 2 (21CP03)
- 2 (21IT48)
- AE (20IT46)
- 2 (20CP02)
- 2 (20IT48)
- Dr. Vatsal Shah (20LPS03)
- 2 (21IT48)
- AE (20IT46)
- 2 (20CP02)
- 2 (20IT48)
- Dr. Vatsal Shah (20LPS03)



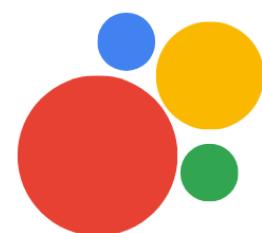
Module 10 – Guided Lab: Automating Infrastructure Deployment with AWS CloudFormation

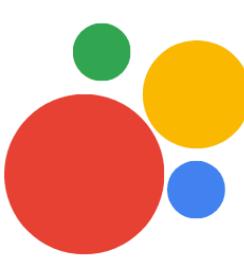
24

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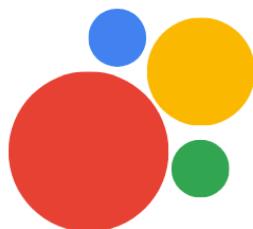


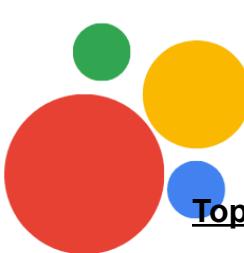


SESSION 11

Details Of Session 11:

Event Name:	AWS Academy
Date:	06/10/22 (Session 11) (offline)
Venue:	High computing lab (B 204)
Expert Name:	Mr. Vrajesh Jayswal
Duration:	10:00 am to 1:00 pm
Number Of Students:	20 (2 nd and 3 rd year from IT, CP)



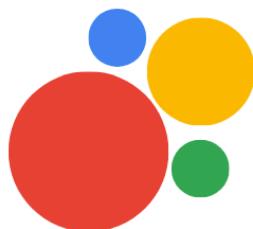


Topic:- Caching Content

The expert started his session with an introduction to Caching Content. He explained that a database cache supplements one's primary database by removing unnecessary pressure on it, typically in the form of frequently accessed read data. The cache itself can live in a number of areas including one's database, application or as a standalone layer.

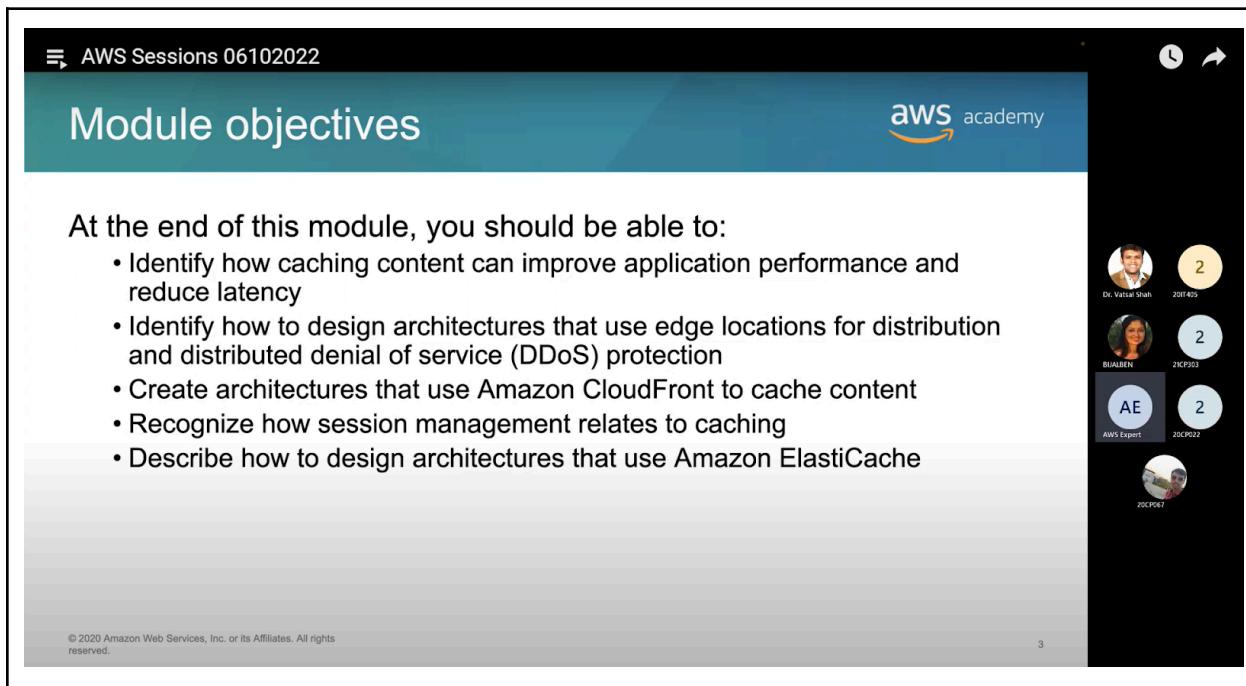
He further said that Amazon File Cache is a temporary, high-performance storage location, for data stored in on-premises file systems. AWS file systems, and Amazon S3 buckets, enables one to make dispersed data sets available to file-based applications on AWS with a unified view and at high speeds.

Data is fetched by the edge cache from the origin server, and subsequent "nearby" devices fetch content from the edge cache. Caching web content helps improve upon the responsiveness of your websites by reducing the load on backend resources and network congestion. On briefing web caching, he said that it is performed by retaining HTTP responses and web resources in the cache for the purpose of fulfilling future requests from cache rather than from the origin servers.





Glimpses of the event:



AWS Sessions 06102022

Module objectives

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At the end of this module, you should be able to:

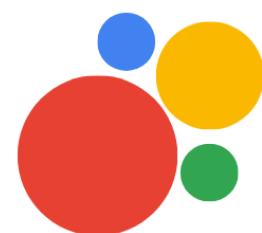
- Identify how caching content can improve application performance and reduce latency
- Identify how to design architectures that use edge locations for distribution and distributed denial of service (DDoS) protection
- Create architectures that use Amazon CloudFront to cache content
- Recognize how session management relates to caching
- Describe how to design architectures that use Amazon ElastiCache

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3



Profile	Name	Role	CPUs
	Dr. Varsh Shah	201F405	2
	BIMALEN	21CP503	2
	AE	AWS Expert	25CP522
	20CP507		



What should you cache?



Data that requires a slow and expensive query to acquire



Relatively static and frequently accessed data—for example, a profile for your social media website



Information that can be stale for some time, such as a publicly traded stock price

Benefits of caching



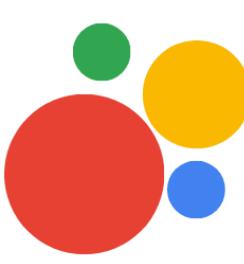
Improves application speed



Reduces response latency



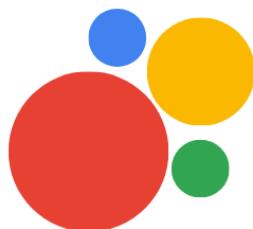
Reduces database access time



SESSION 12

Details Of Session 12:

Event Name:	AWS Academy
Date:	18/01/2023
Venue:	High computing lab (B 204)
Expert Name:	Mr. Vrajesh Jayswal
Duration:	10:00 am to 1:00 pm
Number Of Students:	20 (2 nd and 3 rd year from IT, CP)





Topic:-Building Decoupled Architecture

The expert started his session with an introduction to architectural need, then he explained about various forms of system coupling. He further mentioned about Amazon SQS, a fully managed message queueing service which uses a pull mechanism where messages are encrypted and stored until they are processed and deleted and it acts as a buffer between producers and consumers.

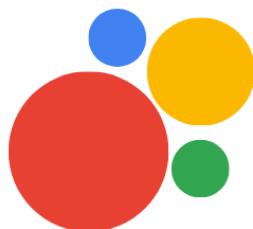
He further mentioned about the uses of Amazon SQS which were work queues, buffering batch options, request offloading and trigger Amazon EC2 Auto scaling. We also learnt that while using Amazon SNS, you create a topic and set policies that restrict who can publish or subscribe to the topic. One can use topics to decouple message publishers from subscribers, fan-out messages to multiple recipients at one time, and eliminate polling in your applications.

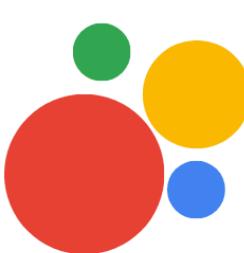
We also learnt about Amazon MQ which is a managed message-broker service for Apache ActiveMQ that enables you to set up and operate message brokers in the cloud.

Amazon MQ manages the provisioning, setup, and maintenance of ActiveMQ, which is a popular open-source message broker. Amazon MQ is compatible with open standard APIs and protocols (that is, JMS, NMS, AMQP, STOMP, MQTT, and WebSockets).

Lastly, the expert concluded the session using a module wrap up of the whole session. Thus, in the whole session we learnt :

- Differentiate between tightly and loosely coupled architectures
- Identify how Amazon SQS works and when to use it
- Identify how Amazon SNS works and when to use it
- Describe Amazon MQ.

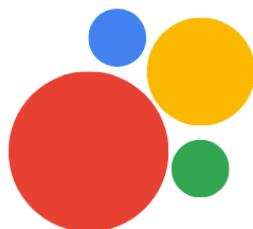




SESSION 13

Details Of Session 13:

Event Name:	AWS Academy
Date:	21/01/2023
Venue:	Offline(Practical)
Expert Name:	Mr. Vrajesh Jayswal
Duration:	10:00 am to 1:00 pm
Number Of Students:	20 (2 nd and 3 rd year from IT, CP)





Topic :-Automating infrastructure deployment with aws cloudformation

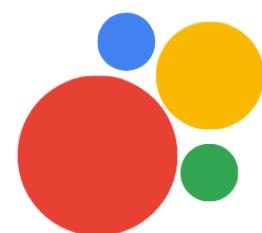
The session started with basics about AWS Cloudformation, streamlines the deployment of key workloads on the AWS Cloud. With AWS CloudFormation, you model and provision all the resources needed for your applications across multiple Regions and accounts in an automated and secure manner. You can use programming languages or simple text files. AWS CloudFormation templates are text files, written in YAML or JSON format, that define the AWS resources to be deployed.

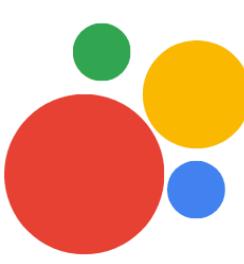
Then the steps to do so were explained in detail, the steps being:

- Start with existing AWS CloudFormation templates
- Create modular templates
- Use existing repositories as submodules
- Use an integrated development environment with linting

- Use parameters to define paths to your external assets
- Use the same names for common parameters
- Automate AWS CloudFormation testing with TaskCat
- Maintain your templates.

And the session was then concluded with what can one do as an AWS CloudFormation developer, you can save time, effort, and frustration when you follow the best practices, where the expert elaborated the best practices at last.

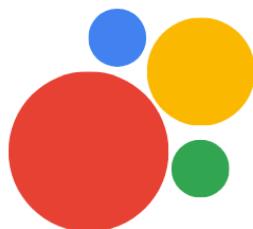




SESSION 14

Details Of Session 14:

Event Name:	AWS Academy
Date:	24/01/2023
Venue:	High computing lab (B 204)
Expert Name:	Mr. Vrajesh Jayswal
Duration:	10:00 am to 1:00 pm
Number Of Students:	20 (2 nd and 3 rd year from IT, CP)

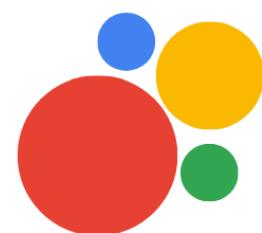


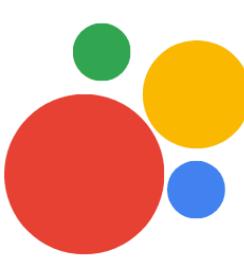


Topic :-Building Microservices and Serverless Architecture

The session was started with an introduction to architectural need, then the expert introduced to microservices, where we learnt about Microservice applications are composed of independent services that communicate over well-defined APIs. Then we got to know about the following terms: Amazon ECS is a highly scalable, high-performance container management service. It supports Docker containers and enables you to easily run applications on a managed cluster of Amazon EC2 instances. Cluster auto scaling gives you more control over how you scale tasks in a cluster. AWS Cloud Map enables you to define custom names for your application resources. It maintains the updated location of these dynamically changing resources.

He further described about Serverless computing which enables you to build and run applications and services without provisioning or managing servers. Then we were given a demonstration of using AWS Lambda with Amazon S3. Lambda is a serverless compute service that provides built-in fault tolerance and automatic scaling, a Lambda function is custom code that you write that processes events. Then we learnt about Amazon API Gateway is a fully managed service that enables you to create, publish, maintain, monitor, and secure APIs at any scale. Amazon API Gateway acts as an entry point to backend resources for your applications. The session was then concluded with a module summary.

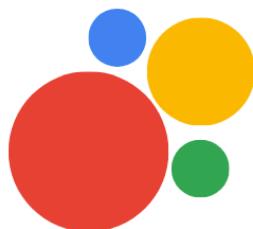




SESSION 15

Details Of Session 15:

Event Name:	AWS Academy
Date:	31/01/2023
Venue:	High computing lab (B 204)
Expert Name:	Mr. Vrajesh Jayswal
Duration:	10:00 am to 1:00 pm
Number Of Students:	20 (2 nd and 3 rd year from IT, CP)

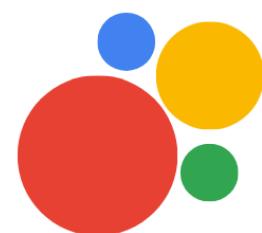




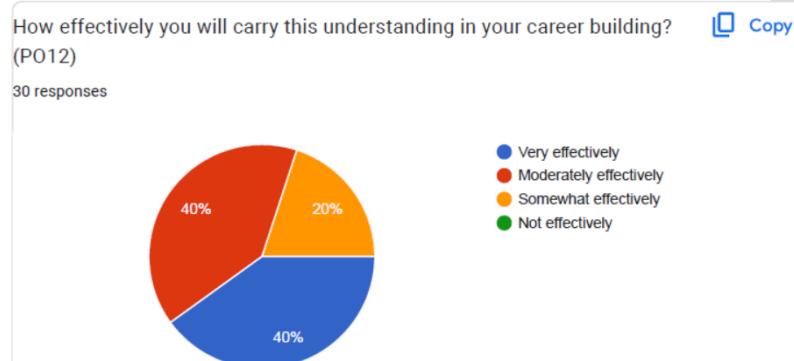
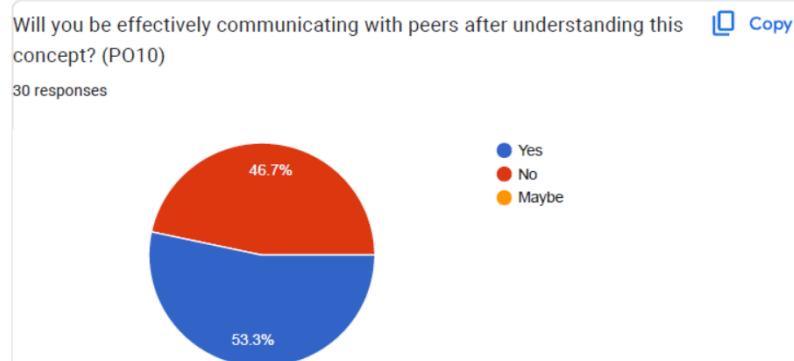
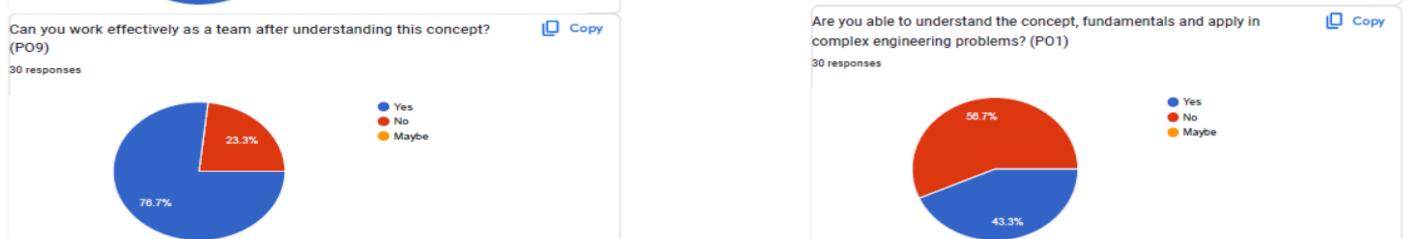
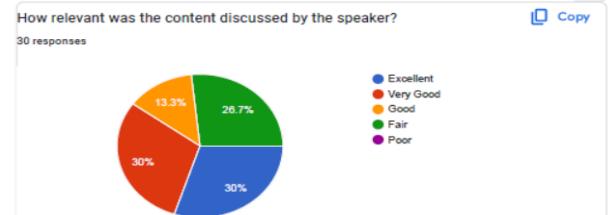
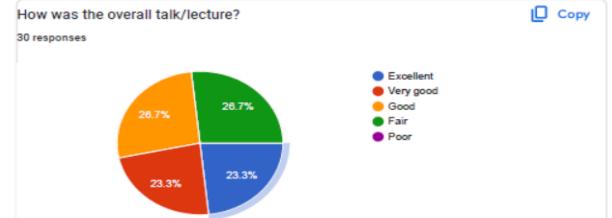
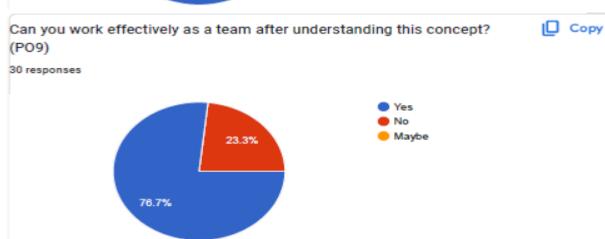
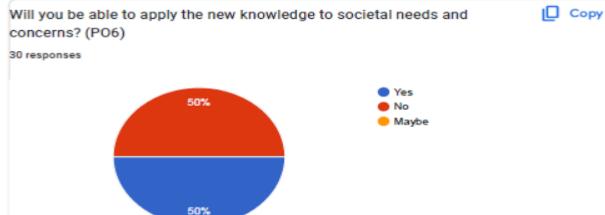
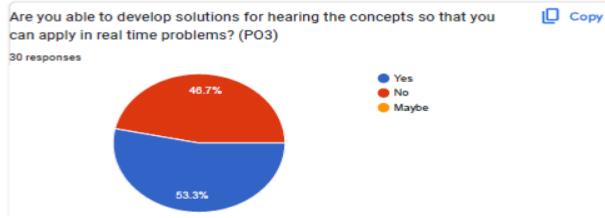
Topic :-Planning for disaster

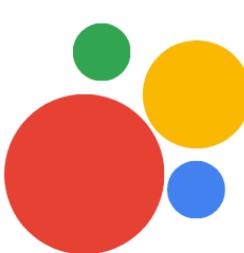
The expert mentioned about the architectural need at first, then the disaster planning strategies:To choose the correct disaster recovery strategy, first identify your recovery point objective (RPO) and recovery time objective (RTO),use features such as S3 Cross-Region Replication, EBS volume snapshots, and Amazon RDS snapshots to protect data.Then further about Common disaster recovery patterns on AWS include backup and restore, pilot light, warm standby, and multi-site.

Backup and restore is the most cost effective approach. However, it has the highest RTO.Multi-site provides the fastest RTO. However, it costs the most because it provides a fully running production-ready duplicate. Then lastly about,AWS Storage Gateway provides three interfaces—file gateway, volume gateway, and tape gateway—for data backup and recovery between on-premises and the AWS Cloud.The session was then concluded with a module summary.



Feedback from Students





Hands-on Python



[in](#) **GDSC BVM**



[gdscbvm](#)

Date: 08/10/2022

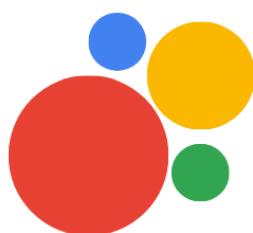
Time: 10:30 AM to 01:00 PM

Clubs Associated: Women Development Cell BVM and GDSC BVM

No. of Participants: 31

Venue : B-203, B-Block, Birla Vishvakarma Mahavidyalaya, V.V.Nagar

Speakers: (1) Sneh Shah (4th Year IT, BVM)
(2) Pratham Shah (4th Year IT, BVM)





On 8th October 2022, GDSC BVM in collaboration with Women development cell BVM had organized a Hands-on session on Python for female candidates only.

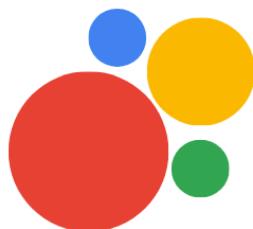
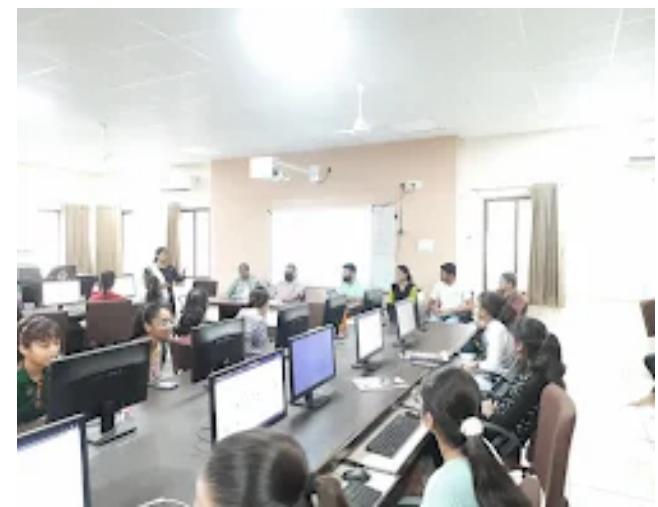
The session started with a welcome/introductory note by Dr. Zankhana Shah, Women Development Cell officer and Dr. Trupti Desai in the presence of Dr. Darshak G.Thakore, Dr.Vatsal Shah and Prof. Bijal Dalwadi. Then the session was handed over to the speakers.

Topics covered in the session:

- What is Python?
- Where and how is it used now-a-days.
- Basics of Python on Jupyter notebook.
- 1. Variables, Datatypes and Operators
- 2. Dictionary and Sets
- 3. List and Tuples
- 4. If Else statements
- 5. Loop
- 6. Functions

It was an interactive session with peer-to-peer learning experience where participants could easily ask their doubts. The session ended with a concluding note by Dr. Zankhana Shah and felicitation of the speakers by Dr. Vatsal Shah and Dr. Zankhana Shah.

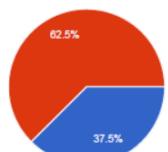
Glimpses of the event:



Feedback from Students

Are you able to develop solutions for hearing the concepts so that you can apply in real time problems? (PO3)

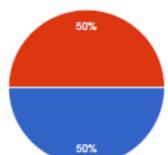
16 responses



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Will you be able to apply the new knowledge to societal needs and concerns? (PO6)

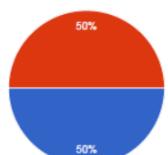
16 responses



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Can you work effectively as a team after understanding this concept? (PO9)

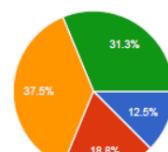
16 responses



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How was the overall talk/lecture?

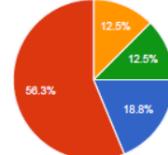
16 responses



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How relevant was the content discussed by the speaker?

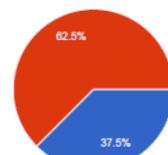
16 responses



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Are you able to understand the concept, fundamentals and apply in complex engineering problems? (PO1)

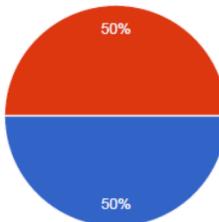
16 responses



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Will you be effectively communicating with peers after understanding this concept? (PO10)

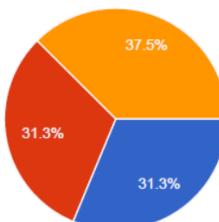
16 responses



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How effectively you will carry this understanding in your career building? (PO12)

16 responses



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Intro to Cloud and GCCP Program



Google Developer Student Clubs
Birla Vishvakarma Mahavidyalaya



Intro to Cloud and GCCP Program



Nishant Gajjar

CDL Certified
GCCP Facilitator



5th November, 2022

10:00AM to 11:00AM

Google Meet



GDSC BVM

gdscbvm

gdscbvm



Date: 05/11/2022

Time: 10:00 AM to 11:00 AM

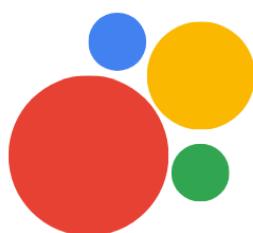
No. of Participants: 35

Mode: Online

Platform: Google Meet

Speaker: Nishant Gajjar(CDL Certified, GCCP Facilitator, 3rd Year EC, BVM)

On 5th November, 2022 GDSC BVM had organized an online session for introduction to cloud and the GCCP Program that is going to be held, the session was conducted by Nishant Gajjar.





Topics covered in the session:

- Intro to Cloud computing
- What is GCP?
- CDL(Cloud Digital Leader) Basics
- Cloud Engineer Learning Path Link and details
- Benefits of completing this program
- Steps to register and complete
- QnA

It was an informative session to aware the participants about the upcoming GCCP Program. The session ended with the vote of thanks by Manav Joshi.

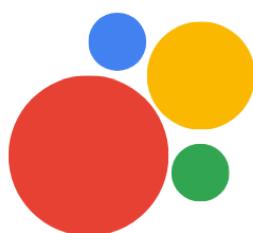
Glimpse of the session:

The screenshot shows a video conference interface. On the left, a browser window displays the Google Cloud Skills Boost learning path. The path includes the following courses:

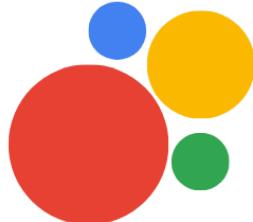
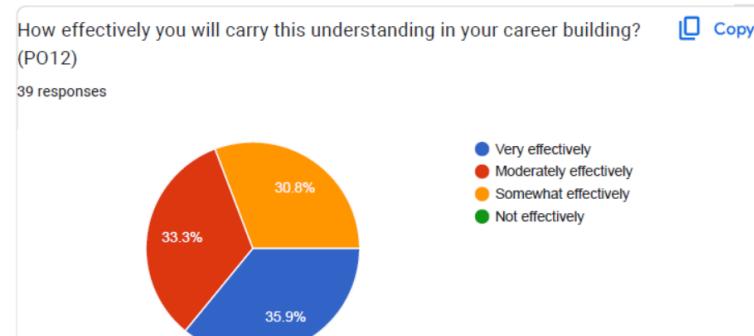
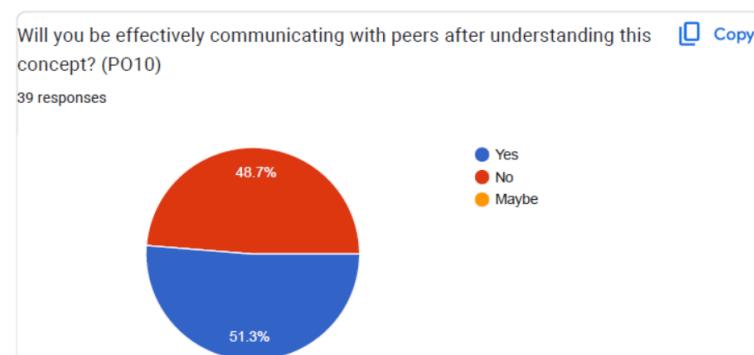
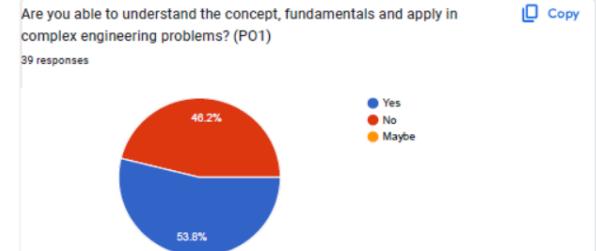
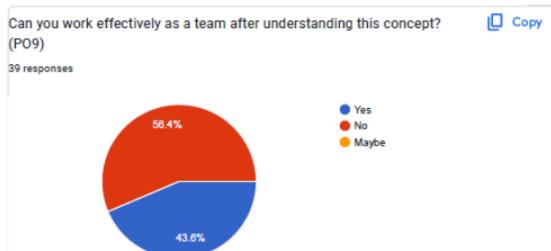
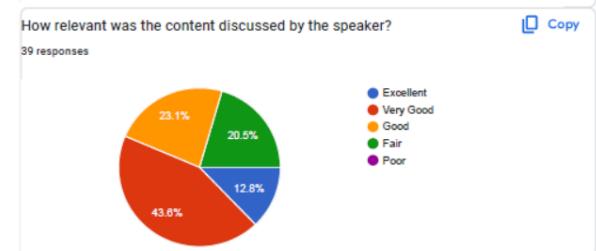
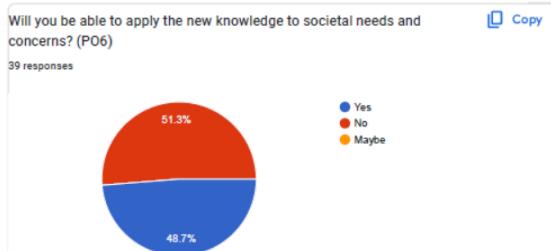
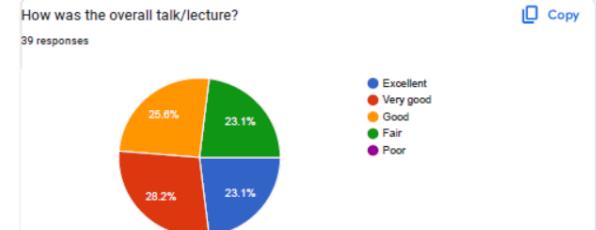
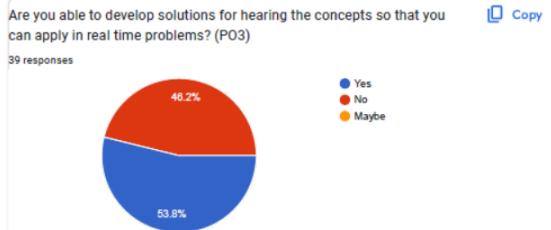
- A Tour of Google Cloud Hands-on Labs
- Preparing for Your Associate Cloud Engineer Journey
- Google Cloud Fundamentals: Core Infrastructure
- Essential Google Cloud Infrastructure: Foundation
- Essential Google Cloud Infrastructure: Core Services
- Elastic Google Cloud Infrastructure: Scaling and Automation
- Getting Started with Google Kubernetes Engine
- Logging, Monitoring and Observability in Google Cloud

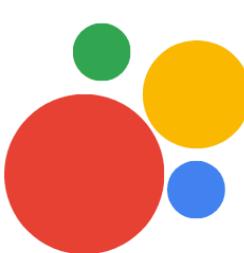
Below the browser window, a message says "Nishant is presenting". On the right, a participant list shows the following users:

- Nishant (with microphone icon)
- Manav (with microphone icon)
- E-A mrudul (with microphone icon)
- Akshat (with microphone icon)
- You (with microphone icon)
- NE29 others (with microphone icon)



Feedback from Students





Hands-on IoT

Date: 09/12/22 and 10/12/22

Time: 2:00 PM to 5:00 PM (9/12/22)

10:00 AM to 1:30 PM (10/12/22)

No. of Participants: 52

Mode: Offline

Venue: B-203, B-Block, Birla Vishwakarma Mahavidyalaya, V.V.Nagar

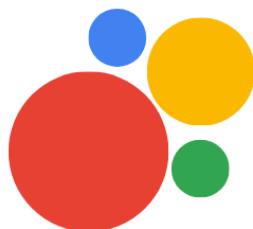
Speaker: Er. Keyur Chauhan

On 9th and 10th of December 2022, GDSC BVM had organized a Hands-On Session on IoT(Internet Of Things), the session was conducted by Er. Keyur Chauhan .IoT being one of the most advanced technologies of today's era, the two-day workshop was organized to help students know more about it and perform some experiments with the same.

Topics covered in the session by the speaker:

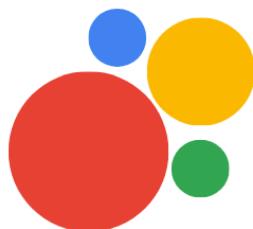
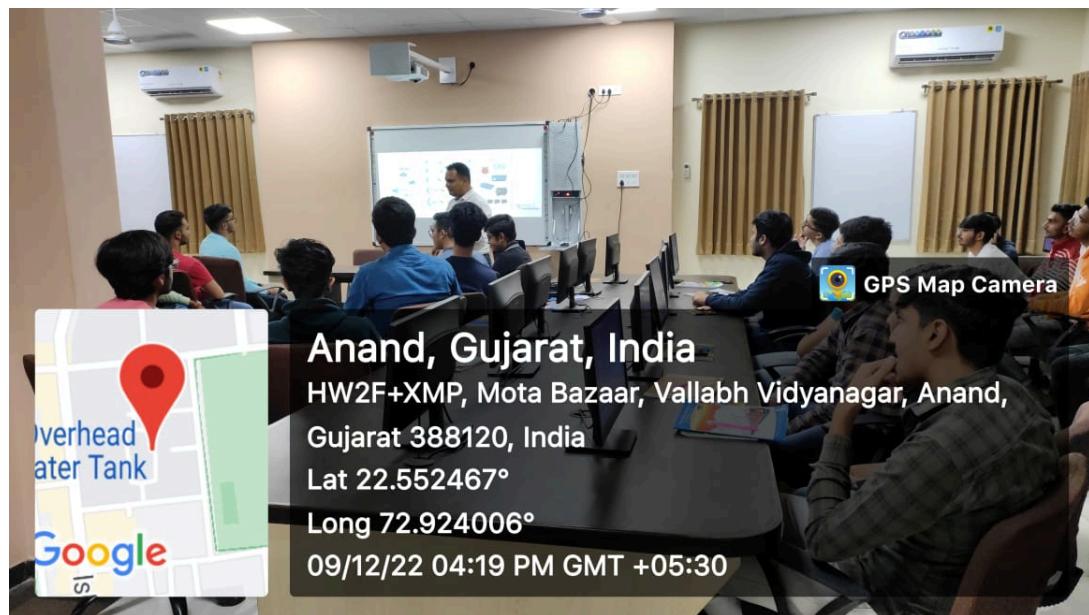
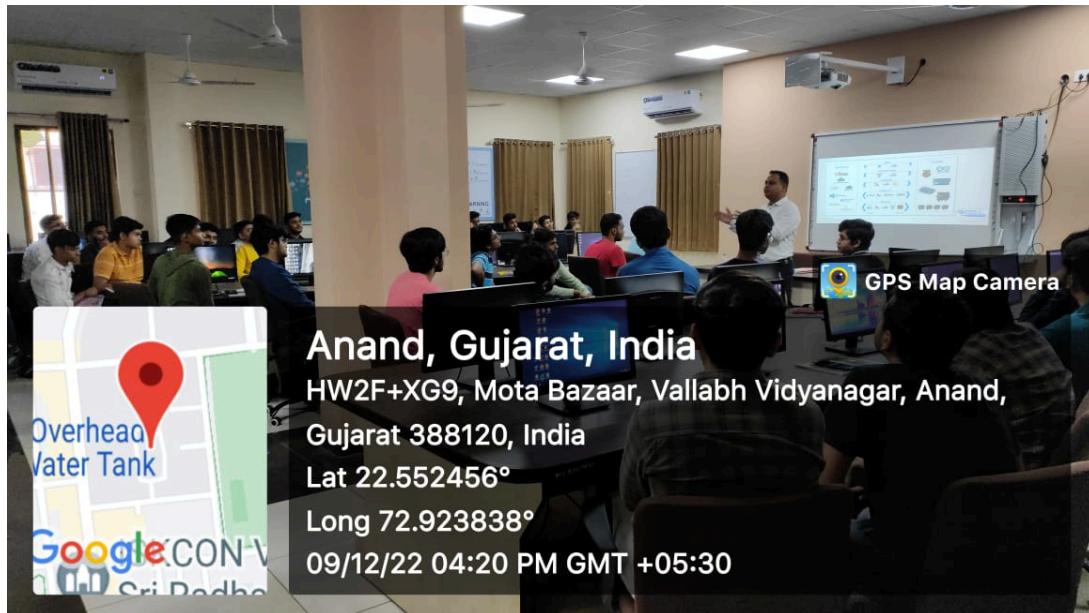
- What is IoT
- Uses of IoT
- Future career opportunities in the field of IoT
- How to use of Arduino software
- Installation of the software
- How to link the PCB with a USB cable to connect the device with the computer.
- How to use C programming language in the software for coding on an IoT device.

After that a task was given to be performed on an IoT device which was to write a code for producing the buzzer sound. At last suggestions were given for job and internships in IoT based companies. The session was then concluded with the vote of thanks by Dr. Vatsal Shah and Mr. Priyank Bhojak.





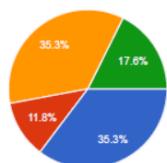
Glimpses of the event:



Feedback from Students

How was the overall talk/lecture?

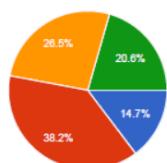
34 responses



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How relevant was the content discussed by the speaker?

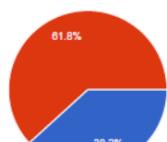
34 responses



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Are you able to understand the concept, fundamentals and apply in complex engineering problems? (PO1)

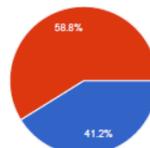
34 responses



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Are you able to develop solutions for hearing the concepts so that you can apply in real time problems? (PO3)

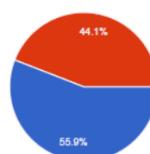
34 responses



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Will you be able to apply the new knowledge to societal needs and concerns? (PO6)

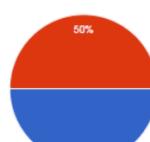
34 responses



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Can you work effectively as a team after understanding this concept? (PO9)

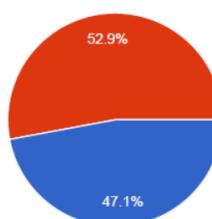
34 responses



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Will you be effectively communicating with peers after understanding this concept? (PO10)

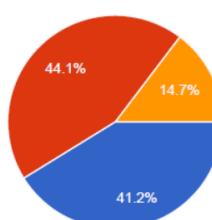
34 responses



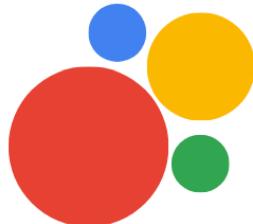
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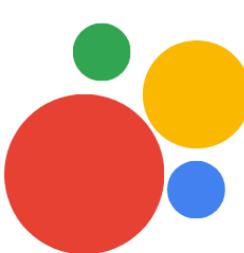
How effectively you will carry this understanding in your career building? (PO12)

34 responses



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WebLinguistics - Workshop on

ReactJS



Google Developer Student Clubs BVM in collaboration with GeeksForGeeks Student Chapter BVM organized a two-day workshop on the topic “**WebLinguistics**”. The workshop was designed for aspirants who were interested in developing web-based applications and tools to build their career. The expert speaker for the workshop was Mr.Hiren Dave.

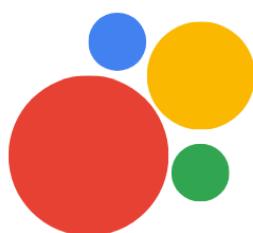
Details of the session are as follows:

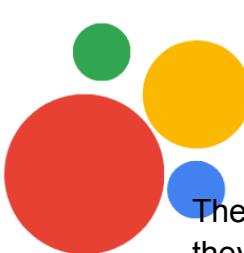
Date: 04/02/2023 and 11/02/2023

Time: 10:00 AM to 2:30 PM

Number of Participants: 50

Faculty Coordinator: Dr. Vatsal Shah, Prof. Bijal Dalwadi and Prof. Prachi Shah



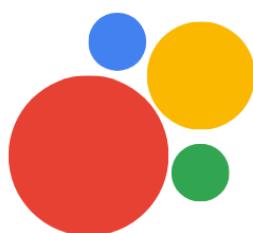


The workshop began with an introduction to HTML5, its semantic elements and how they can be used to improve the structure and accessibility of web pages. The workshop then covered CSS3, the latest version of the Cascading Style Sheets language used for styling web pages.

The workshop then moved on to React, a JavaScript library used for building user interfaces. Participants learned about React's component-based architecture and how it can be used to improve code organization and reusability. Participants then got hands-on experience creating simple React components and integrating them into web pages. Finally, the workshop covered Redux, a predictable state container for JavaScript applications. They also got hands-on experience creating simple Redux stores and dispatching actions to update state.

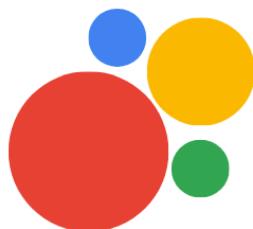
The workshop provided a valuable opportunity for attendees to learn from experienced professionals, exchange ideas with other participants, and gain hands-on experience working with the latest web development technologies.

The workshop ended with the facilitation of the speaker by Prof. Bijal Dalwadi and vote of thanks by Prof. Prachi Shah.

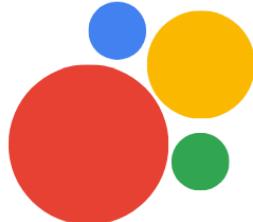
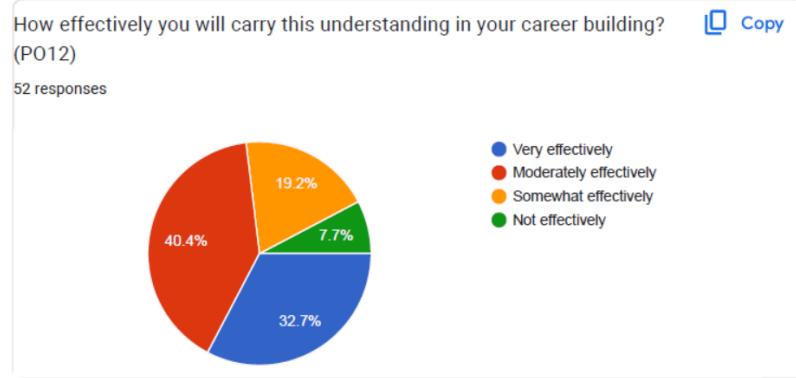
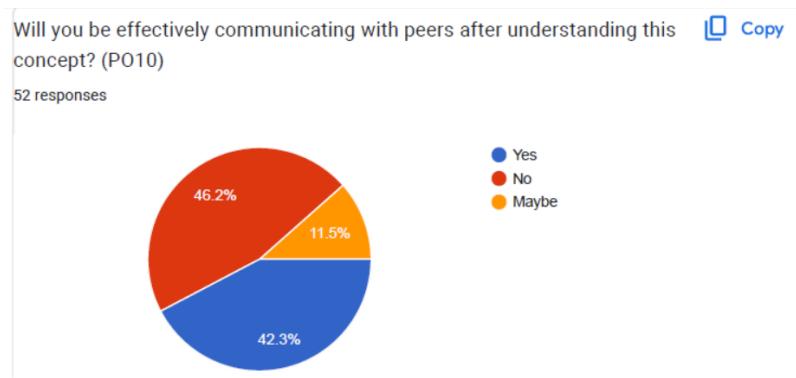
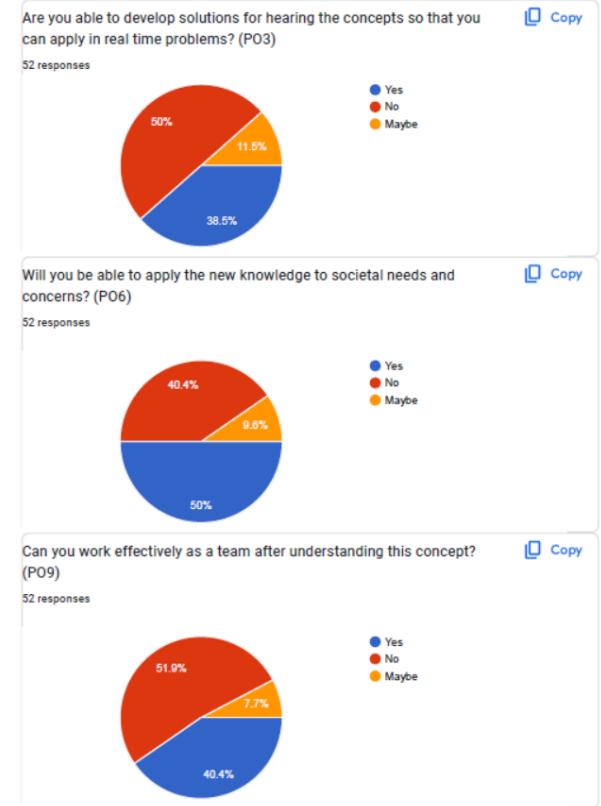
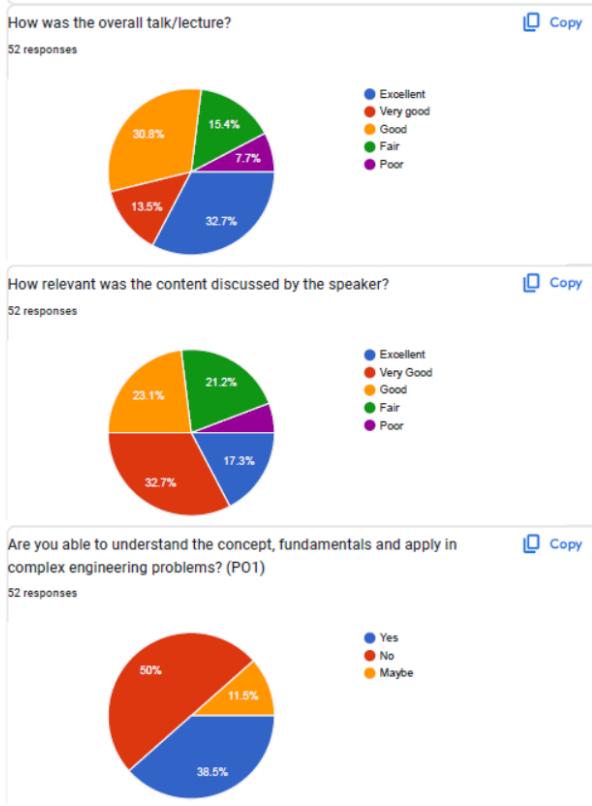


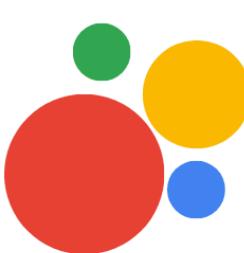


Glimpses of the event:



Feedback from Students





Hues of Codes

The banner features the following details:

- Logos for Google Developer Student Clubs, Birla Vishvakarma Mahavidyalaya, AICTE, and CodeChef BVM.
- Text: "AICTE-SPICE sponsored GDSC BVM in collaboration with CodeChef BVM Presents HUES OF CODES".
- Text: "'spreading vibrant colours to the world of coding: Hues of Code'"
- Event details: "4th March, 2023" and "4.00 PM to 5.30 PM".
- Mode: "Mode : Online".
- Platform: "Platform : CodeChef".
- Contact information: "Contact US : Manav Joshi - 9157441707, Dharmesh Vala - 6354434661".
- Prize: "Exciting cash prizes for Winners".
- Social media links: CodeChef_BVM (LinkedIn), CodeChef_BVM (Instagram), gdscbvm (Twitter), gdscbvm (Instagram), and GDSC BVM (LinkedIn).

Date: 4th March, 2023

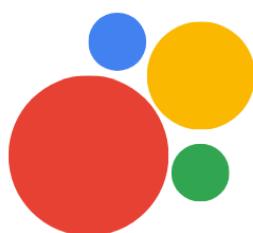
Time: 4:00 to 5:30 PM

Online Coding Platform: CodeChef

Clubs Associated: AICTE SPICE Sponsored GDSC BVM & CodeChef BVM

No. of Participants: 50

On 4th March, 2023, Google Developer Student Clubs - BVM and CodeChef BVM Chapter organized an online coding competition "Hues of Code". Coding enthusiastic participants were given 6 problem statements to solve in one hour and thirty minutes. The winner bagged a cash prize of Rs. 2000 , the first runner up got a cash prize of Rs. 1500 and the second runner up got a cash prize of Rs. 1000.

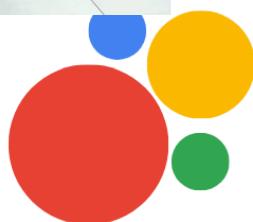




Winners of the event:

1. Yash Koringa (3rd Year CP) & Parthiv Gondaliya (3rd Year CP)
2. Kashyap Bavadiya (3rd Year IT)
3. Ruchi Shingala (3rd Year IT)

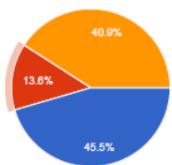
Glimpses of the event:



Feedback from Students

How was the overall talk/lecture?

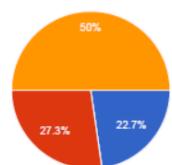
22 responses



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How relevant was the content discussed by the speaker?

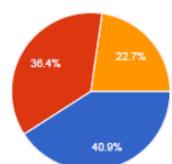
22 responses



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Are you able to understand the concept, fundamentals and apply in complex engineering problems? (PO1)

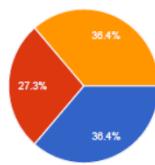
22 responses



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Are you able to develop solutions for hearing the concepts so that you can apply in real time problems? (PO3)

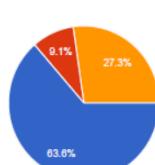
22 responses



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Will you be able to apply the new knowledge to societal needs and concerns? (PO6)

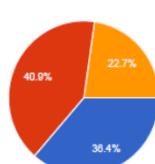
22 responses



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Can you work effectively as a team after understanding this concept? (PO9)

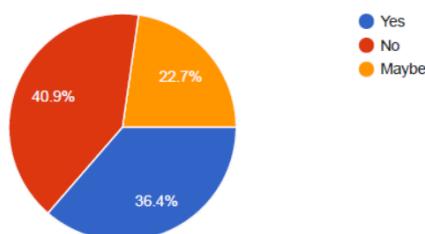
22 responses



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Will you be effectively communicating with peers after understanding this concept? (PO10)

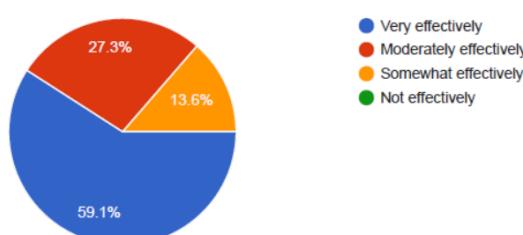
22 responses



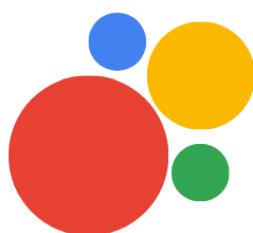
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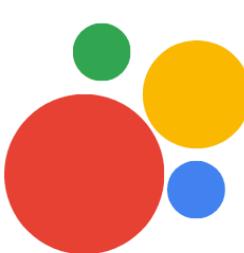
How effectively you will carry this understanding in your career building? (PO12)

22 responses



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Flutter Frenzy



Date: 12/03/2023

Time: 7:30 P.M. to 9:00 P.M.

Clubs associated: GDSC VPCET Nagpur, GDSC BITD, GDSC Amrita School Of Engineering & GDSC Bharati Vidyapeeth Department of Engineering and Technology - Navi Mumbai.

No. of Participants: 100

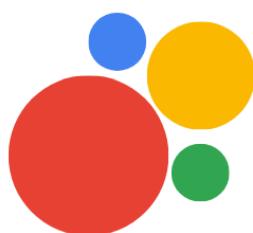
Mode: Online

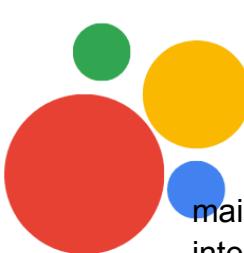
Platform: Google Meet

Speaker: Ayush Gaur, Flutter lead, GDSC BITD.

On 12th March'23, GDSC BVM in collaboration with GDSC VPCET Nagpur, GDSC BITD, GDSC Amrita School Of Engineering & GDSC Bharati Vidyapeeth Department of Engineering and Technology - Navi Mumbai, had organized an online session on Flutter, giving an insight of app development, with participants from GDSC of various colleges.

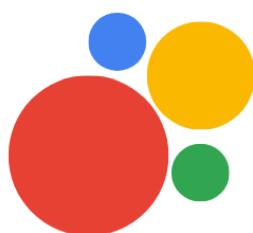
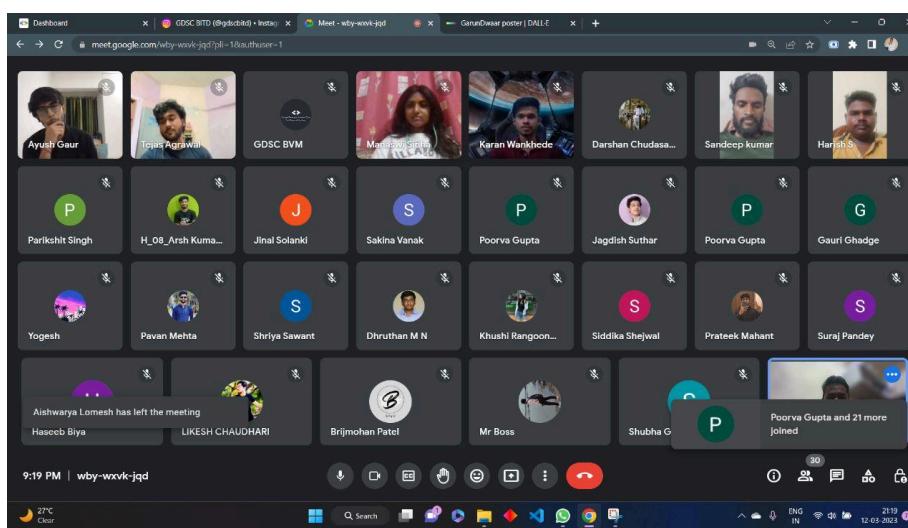
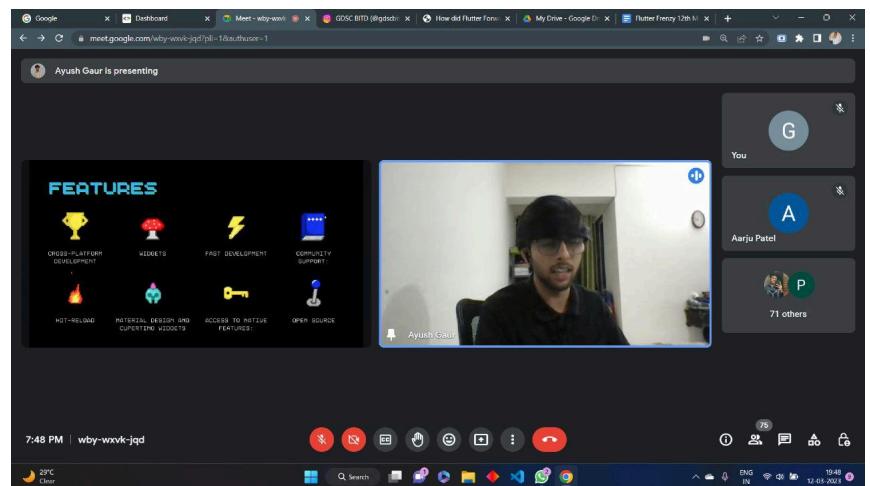
The speaker, Ayush Gaur(Flutter Lead, GDSC BITD) started the session with a basic introduction of Flutter, how it works and how is it useful. He also explained some of the





main features of Flutter and Dart and how to make interesting and eye-catching interfaces.

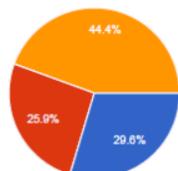
Glimpses of the event



Feedback from Students

How was the overall talk/lecture?

27 responses

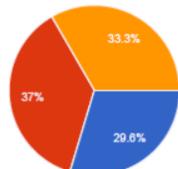


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- Excellent
- Very good
- Good
- Fair
- Poor

How relevant was the content discussed by the speaker?

27 responses

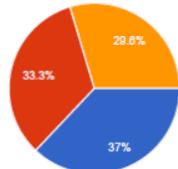


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- Excellent
- Very Good
- Good
- Fair
- Poor

Are you able to understand the concept, fundamentals and apply in complex engineering problems? (PO1)

27 responses

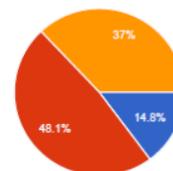


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- Yes
- No
- Maybe

Are you able to develop solutions for hearing the concepts so that you can apply in real time problems? (PO3)

27 responses

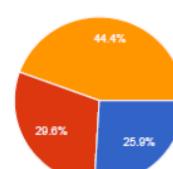


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- Yes
- No
- Maybe

Will you be able to apply the new knowledge to societal needs and concerns? (PO6)

27 responses

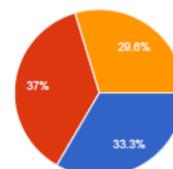


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- Yes
- No
- Maybe

Can you work effectively as a team after understanding this concept? (PO9)

27 responses

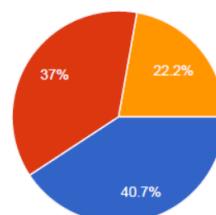


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- Yes
- No
- Maybe

Will you be effectively communicating with peers after understanding this concept? (PO10)

27 responses

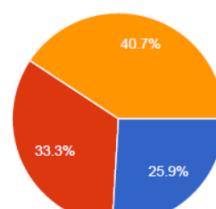


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- Yes
- No
- Maybe

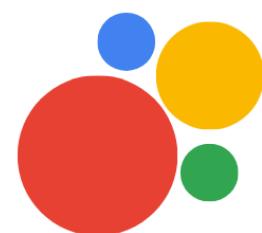
How effectively you will carry this understanding in your career building? (PO12)

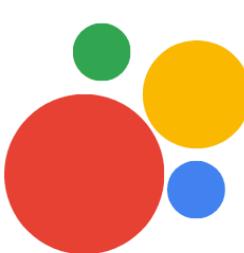
27 responses



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- Very effectively
- Moderately effectively
- Somewhat effectively
- Not effectively





Premiere Pro Unleashed

75th Anniversary
Google Developer Student Clubs
Birla Vishvakarma Mahavidyalaya
G20 India 2023
AICTE

**AICTE-SPICE Sponsored
GDSC BVM**
presents
Premiere Pro Unleashed
Master premiere pro like a pro


Vatsal Joshi
BVM Alumni

 **18th March, 2023**
 **11:00 AM to 12:00 PM**
 **B-304**

 **GDSC BVM**  **gdscbvm**  **gdscbvm**

Date: 18/03/2023

Time: 11:00 A.M. to 12:00 P.M.

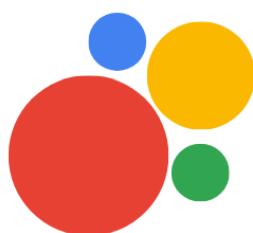
No. of Participants: 46

Mode: Offline

Venue: B-304, B-Block, Birla Vishvakarma Mahavidyalaya, V.V.Nagar

Speaker: Er. Vatsal Joshi

On 18th March' 23 , GDSC BVM had organized an informational session on video editing in Adobe Premiere Pro, the session was conducted by Er. Vatsal Joshi.



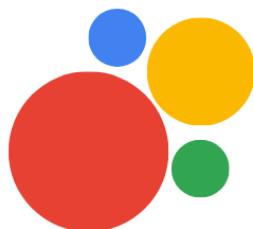


Topics covered in the session by the speaker:

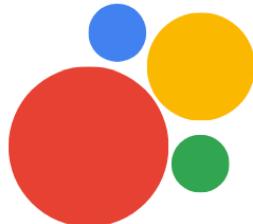
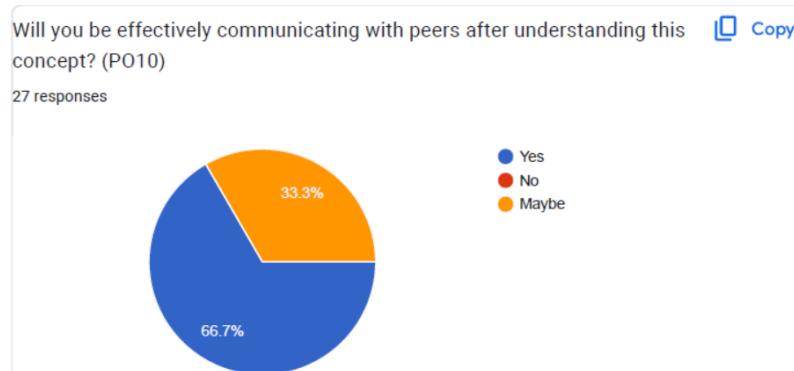
- Basic Introduction to Premiere pro.
- Basic Video Editing
- Tools review
- Video effects
- Video transitions
- Shortcut keys
- Framing

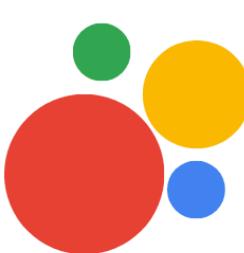
The speaker explained the interface of Adobe Premiere Pro and made some basic transitions in the video. He showed his profile and gave advice on how to start with freelancing. The session was then concluded with a vote of thanks by Dr. Vatsal Shah and Prof. Priyank Bhojak.

Glimpses of the event:



Feedback from Students





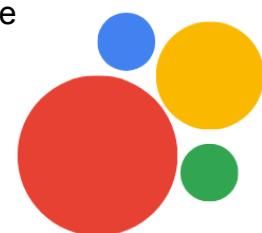
Animals and Animal Welfare

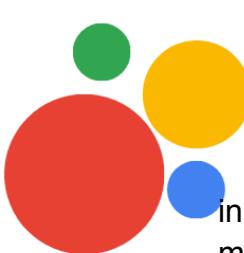
Event	Session on Animal Welfare
Event Date	15 th April 2023
Time	11:00 AM to 01:00 PM
Expert	Dr. Bhavesh Solanki , Ms.Anjali
Place	LRUC Hall , BVM

Charutar Vidya Mandal's Birla Vishvakarma Mahavidyalaya is celebrating Platinum Jubilee. Team NSS BVM and G20 Nodal BVM Centre in association with Google Developer Student Clubs BVM organized a session on animal welfare on 15th April 2023. Principal Dr.Indrajit N. Patel and Dr.Bhargav C. Goradiya (Vice President, BVM Central Committee) encouraged NSS unit for this event. The event was coordinated by Prof. Mayur M. Sevak (NSS, PO and Nodal officer G20, BVM) and Dr.Vatsal Shah (Faculty Adviser, GSDC Club BVM) with NSS Volunteers as part of UDAAN-23 Techfest.

Dr. Bhavesh Solanki addressed that Animal welfare refers to the ethical and humane treatment of animals, with the goal of ensuring their well-being and minimizing any suffering they may experience. This includes providing animals with proper nutrition, shelter, medical care, and other necessities, as well as avoiding any unnecessary harm or exploitation. He explained various activities under RRSAINDIA.

Animal welfare is an important issue for a variety of reasons, including ethical, environmental, and economic concerns. Many people believe that all animals have





inherent value and should be treated with respect and compassion, and that mistreating animals can have negative consequences for both the animals themselves and for society as a whole.

Efforts to improve animal welfare can take many forms, including legislation, education and outreach, and research into new and better ways to care for animals. Animal welfare organizations work to promote humane treatment of animals and to prevent animal cruelty, while individual actions like adopting pets from shelters, choosing to purchase products from companies that use humane practices, and reducing meat consumption can also have a positive impact on animal welfare.

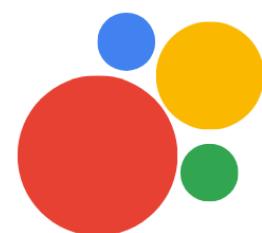
Outcomes of Event

- 1) Increased public awareness and understanding of animal welfare issues, which can lead to changes in attitudes and behaviors towards animals.
- 2) Improved laws and regulations that provide greater protection for animals and hold those who mistreat animals accountable for their actions.
- 3) Increased funding and resources for animal welfare organizations and initiatives, which can help to improve the care and treatment of animals in a variety of settings.
- 4) Reduced demand for products and services that are harmful to animals, such as fur or animal testing, which can lead to a decrease in the overall suffering and exploitation of animals.

Overall, successful animal welfare campaigns can have a significant impact on the lives of animals and on society as a whole, promoting greater compassion and respect for all living beings.

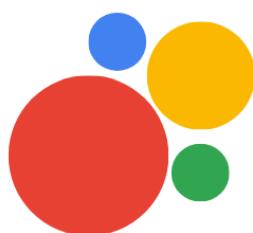
The experts were felicitated with bouquet given by Dr.Bijal Dalwadi (Faculty Coordinator, GSDC BVM). The master of ceremony and vote of thanks for the event was delivered by Prof.Mayur M.Sevak.

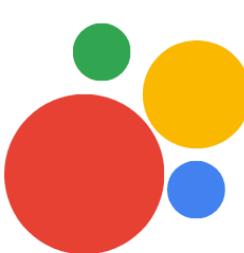
At the end of event expert ask few questions as part of Quiz and students were appreciated with various badges of animal welfare campaign.Top of Form





Glimpses of the event:





Core Team 2022-23

Dr. Vatsal Shah
(Faculty Advisor)

Manav Joshi
(GDSC Lead)

Tilak Brahmbhatt
(Content Writer)

Nishant Gajjar
(Publicity Member)

Mohammad Chati
(Tech Person)

Megh Shah
(Graphics Designer)

Prof. Bijal Dalwadi
(Faculty Coordinator)

Aastha Gupta
(Mentor)

Khushi Rangoonwala
(Content Writer)

Prachi Mistry
(Publicity Member)

Rishabh Parmar
(Tech Person)

