# CERTIFICATE COURSE (AMAZON WEB SERVICES)

## FOR BCA STUDENTS

BCA to enhance their competency skills were introduced to an additional certified software programming named AMAZON WEB SERVICES(AWS).

It was a 32 hours program held in our campus by a professional named Javneet singh,professional trainer from rebootMind,delivering expertise at corporate levels.

Javneet singh with a BE degree runs an independent training institute to cater the needs of freshers and existing employees upgrades.

The program was held between       24-02 -2020 to 10-3-2020.The participant student names are attached herewith .

Certificates provided is attached

**Introduction to AWS Cloud Computing**
**Getting started with Amazon Web Services (AWS)**

- Creating accounts and analyzing the cost breakdown
- Evaluating Service Level Agreements (SLA)
- Console, command—line tools and API

**Overview of the architecture**

Ec2
S3
EBS
Beanstalk
RDS
VPC
CloudFront
SimpleDB
SQS
CloudWatch

**Achieving Agility with Ec2**
**Managing the Ec2 infrastructure**

- Browsing Amazon Machine Images (AMI)
- Specifying security groups and key pairs

**Provisioning resources**

- Evaluating Elastic Block Store (EBS) and instance store root devices
- Assigning elastic IP addresses
- Mapping instance types to computing needs

**Implementing Durable and Reliable Storage**
**Storing data in the cloud**

- Persisting off—instance storage with EBS volumes
- Creating backups with snapshots
- Achieving high durability with SimpleStorage Service
- Transmitting data in/out of the Amazon cloud

**Simplifying the database infrastructure**

- Achieving high availability of nonrelational data with SimpleDB
- Effortlessly implementing a relational database with Relational Database Service (RDS)

**Creating cost—effective distributed solutions**

- Decoupling applications with Simple Queue Service
- Leveraging CloudFront for high—performance edge cache content delivery
- Delivering static and streaming content

#537, Robby Arcade, 2nd Floor, C.M.H Road, Indira Nagar, Bengaluru - 560038.

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**Adapting Ec2 to Your Business Needs**
**Customizing virtual machines**

- Modifying existing images
- Creating new images off of running instances
- Converting an instance store AMI to an EBS AMI

**Creating an AWS cloud architecture**

- Applying best practices for a cloud solution
- Selecting a cloud setup for different use case scenarios

**Handling Dynamic Resource Requirements**
**Monitoring from inside or outside of the cloud**

- Visualizing utilization metrics with CloudWatch
- Setting alarms to send and receive notifications

**Transparently scaling to meet load variations**

- Distributing incoming traffic with elastic load balancing
- Dynamically adding and removing instances with Auto Scaling
- Setting capacity thresholds

**Hosting Applications with Elastic Beanstalk**
**Improving application delivery with Platform as a Service (PaaS)**

- Deploying scalable applications on the AWS cloud
- Selecting and launching an application environment

**Managing application environments**

- Customizing and configuring platform stacks
- Provisioning application resources with CloudFormation

**AWS Security Features**
**Controlling account security**

- Configuring access credentials
- Managing users with Identity Access Management (IAM)
- 

**Leveraging the Virtual Private Cloud (VPC)**

- Launching Ec2 instances in private subnets for extra security
- Bridging Ec2 instances to your internal network with a VPN
- Organizing Ec2 instances in separate subnets with a VPC

# REPORT ON CERTIFICATE COURSE(AMAZON WEB SERVICES) FOR BCA STUDENTS

**Course Name:**     : AMAZON WEB SERVICES(AWS)
**Course Duration**     : 24-02-200 to 10-03-2020
**Venue**     : RBANMS First Grade college, Bangalore

**OBJECTIVE OF THE COURSE:** To Learn about the different services provided by AWS. And also to provide an overview of the important resources required to architect an application.

First of all, I would like to thank our Beloved Principal Dr. Prathap for giving the opportunity to conduct the certified software programming named AMAZON WEB SERVICES(AWS) for BCA Department in our college.
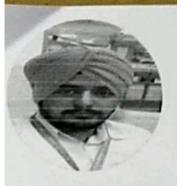
➤ The Program is Mainly held for the following advantages:

1) AWS is the most widely used platform in cloud adoption
2) AWS is the fastest growing public cloud services.
3) AWS Certification validates expertise and credibility

The Course was very interesting and gave the opportunity for the students to learn and to faced the rigors and expectations of the industry, and also to enhance their competency skills .

➤ The course was scheduled for a 32 hour program conducted by a professional named Javneet singh, Professional trainer from Reboot Mind, delivering expertise at corporate levels

➤ Javneet singh Holds a BE Degree runs an independent training institute to cater the needs of freshers and existing employees upgrades

➤ Certificates were provided and is attached along with this report.

# AWS Cerificate Course -Students List

| S.NO | NAME | Year |
|---|---|---|
| 1 | Sanjay Kumar.P.M | BCA III |
| 2 | Meenakshi.V | BCA III |
| 3 | Raghuram | BCA III |
| 4 | Sujata | BCA III |
| 5 | Bhuvaneshwaran.S | BCA III |
| 6 | Soumya.S | BCA III |
| 7 | Ajith.V | BCA II |
| 8 | Shashi Ranjan kumar Singh | BCA II |
| 9 | Stephen.Paul.J | BCA II |
| 10 | Sharanaya.R | BCA II |
| 11 | Deepika.G | BCA II |
| 12 | Sujitha.N | BCA II |
| 13 | Tamil Selvi.V | BCA II |
| 14 | Divyalakshmi.V | BCA I |
| 15 | Maheshwari.D | BCA I |
| 16 | Menaga Shalini.M | BCA I |
| 17 | Kiran Kumar | BCA I |
| 18 | Resshma varsha B.S | BCA I |

**JAVNEET SINGH**

| BRIEF SUMMARY |
| --- |
| I am independent Software consultant and Trainer, worked in MNC as an Architect of IT Infrastructure (Server, Storage & Networking, Virtualization). Databases (MYSQL, PostGRE SQL, Oracle, MONGODB, Redis and Cassandra) and Big Data (Hadoop, Parallel File system & R Language) Training specialist in Infrastructure domain. Have been efficiently delivering the testing training and consulting followed by Basic, Intermediate & Advanced level for software professionals and leading software companies. I have rich experience in delivering training on different tools to diverse participants. Consistently delivering with excellent feedback across the country and abroad for high reputation and good will. I Deliver training for various levels of corporate professionals. Expertise in providing trainings customized according to client's requirements with excellent feedback records. |

## SUMMARY:

- Worked as a Senior Technical Staff with Overall 11 + years of experience in Software across diverse solutions that includes ETL-DW, Big Data and Analytics and AWS
- IT Infrastructure (Server, Storage & Networking, Virtualization). Databases (MYSQL, , PostGRE SQL ,Oracle, MONGODB, Redis and Cassandra)
- Big Data (Hadoop, Parallel File system & R Language)
- Experience in testing BigData Hadoop (HDFS, Hive, Pig,Sqoop,and Flume)
- Extensive experience with agile test methodologies and Scrum environment.
- Proficient experience in databases like Oracle, Netezza, SQL Server, Informix
- Hands on experience in writing database Queries, Complex Joins, Views, Joins, data normalization and denormalization concepts
- Good experience with BI testing i.e. ETL Testing, Report testing. Data Migration Testing, Data Base Testing.
- Experience on Test Case Management and Defect tracking tools like HP Quality Center, Test Director, Team Foundation Server, ALM 11.0 and Jira
- Good knowledge on Cassandra DB (NoSQL)

- Strong Problem Analysis & Resolution skills and ability to work in Multi-Platform Environments like Windows, UNIX
- Designed, built and managed complex test environments (Test Beds)
- A positive attitude team player with excellent Organization, Interpersonal, communications skills and ability to work independently and deliver on time
- Well Associate with BI tools like MSBI, Informatica, Data Stage, BO, OBIEE, Tableau.
- Experience with different domain projects like Logistics, Retail, Telecom Banking.

**EDUCATION:** B.E. (Indaraprasta University, Delhi)

**CAREER SUMMARY:**

- Freelancer & Consultant, Corporate Trainer, September 2017 to till date
- EmbatroniX India, July 2007- September 2017

**SKILLS & EXPERTISE:**

- Core Skills IT Infrastructure (Server, Storage & Networking, Virtualization).
- Databases (MYSQL, Oracle, MONGODB, Redis and Cassandra)
- Big Data (Hadoop, Parallel File system & R Language)
- 

**CORPORATE TRAINING:**

| FEW OF THE CLIENTS DELIVERED | |
|---|---|
| CLIENT | HIGHLIGHTS |
| WIPRO | Conducted a training program on AWS, Bangalore |
| MISTRAL | Delivered on MONGODB, Bangalore |
| Snap deal | Delivered on MONGODB, Gurugaon |
| Justdial | Conducted a training program on MYSQL, Delhi |
| Fidelity | Conducted a training program on Cassandra, Bangalore |
| IBM | Conducted a training program on Redis, bangalore |
| Altisource | Conducted a training program on AWS, Bangalore |
| Oracle | Conducted a training program on Cassandra, Bangalore |
| CGI | Conducted a training program on Hadoop, Bangalore |
| NTT DATA | Conducted a training program on Hadoop, bangalore |
| AOL | Conducted a training program on AWS, bangalore |
| Amex | Conducted a training program on Hadoop, Gurugaon |
| ANZ | Delivered training on R Programming, Bangalore |
| Philips | Conducted a training program on Hadoop, Bangalore |

| Cater Pillar | Conducted a training program on Redis, Bangalore |
|---|---|
| Sony | Delivered training on Hadoop, Bangalore |
| MANY MORE CLIENTS | Trained on customized training for fresher to advanced level for various leading companies for good number of batches. |

# AMAZON WEB SERVICES COURSE

| SL.NO | NAME | CLASS | 29/2 | 29/2 | 2/3 | 3/3 | 3/3 | 3/3 | 4/3 | 4/3 | 5/3 | 5/3 | 6/3 | 6/3 | 7/3 | 8/3 | 9/3 | 10/3 | Time |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | SANJAY | III BCA | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | |
| 2 | MEENAKSHI | III BCA | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | |
| 3 | RAGHURAM | III BCA | 19 | 18 | 19 | a | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| 4 | SUJATHA | III BCA | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
| 5 | BHUVANESHWAR | III BCA | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| 6 | SOUMYA | III BCA | 14 | 15 | a | 16 | 17 | 18 | 19 | a | a | 20 | 21 | 22 | 23 | 24 | 25 | 26 | |
| 7 | AJITH.V | II BCA | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | |
| 8 | SHASHI RANJAN | II BCA | 15 | a | a | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | |
| 9 | STEPHEN | II BCA | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | |
| 10 | SHARANAYA | II BCA | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | |
| 11 | DEEPIKA | II BCA | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | |
| 12 | SUJITHA | II BCA | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | |
| 13 | TAMIL SELVI | II BCA | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | |
| 14 | DIVYALAKSHMI | I BCA | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | |
| 15 | MD.QHUSSAIN | I BCA | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | |
| 16 | MAHESHWARI | I BCA | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
| 17 | CHARAN | I BCA | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | |
| 18 | MENAGA SHALINI | I BCA | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | |
| 19 | AFTAB | I BCA | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | a | |
| 20 | KIRAN | I BCA | 12 | 13 | 14 | 15 | a | a | 16 | a | a | a | 17 | 18 | 19 | 20 | 21 | 22 | |
| 21 | RESHMA VARSHA | I BCA | 14 | 15 | 16 | 17 | 18 | a | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | |

# RBANM's First Grade College

Reaccredited by NAAC with 'A' Grade Permanently Affiliated to Bengaluru Central University
12, Annaswamy Mudaliar Road, Hallasuru, Bengaluru 560042

# Certificate of Participation

presented to

## BASAVARAJU. M.N

for

Participating in National Webinar organized
by the Department of Computer Applications, RBANM's FGC
*"Emerging Technologies in IT"*
on July 13, 2020

**Prof. H V Ravi**
Vice Principal

**Dr. Prathap**
Principal