School of Computer Science & IT, Devi Ahilya University

REPORT

AWS SOLUTION ARCHITECT WORKSHOP 2020

3rd June, 2020 to 9th July, 2020

WORKSHOP COORDINATOR: DR. SHRADDHA MASIH

STIDENT COORDINATORS: **Rohit Ostwal, Ayush Soni, Kamesh Paliwal**

The Corona Virus outbreak has resulted in the whole World coming to screeching halt. To avoid the spread of COVID-19, lockdowns have been enforced throughout the Globe. Due to the Lockdown, the Schools and Colleges have been shut down and the entire Education System has shifted to an online mode. All the classes, lectures, tests etc are being taken via different online platforms. In these critical times, we at School of Computer Science and IT have also revolutionized the way we learn. Recently, SCSIT conducted a really Amazing and Informative workshop about AWS, i.e., Amazon Web Services for the interested students. This workshop was aimed at helping the students learn about Amazon Web Services in detail. The workshop started from the very Basics and progressed till the Advanced levels. Everyone right from the Beginners to the Experts got to learn something new about AWS. The workshop also laid emphasis on other New and Emerging Technologies which would be useful for the upcoming Computer Experts. It was a One Month Workshop which commenced from the 3rd of June and continued till the 9th July, 2020. The workshop had a Minimal registration fees of Rupees 1600. This amazing offer to learn a technology such as AWS at such a low cost really attracted a lot of learners. The age group attending the workshop was extremely diverse. We had the young students from BCA 1st year who wanted

[Dr. Shraddha Masih]

to increase their knowledge about the upcoming technologies. Then, we had the MCA, MSc and MBA final year students who were attending the workshop to develop their skills and be a cut above the crowd, which would really help them during their campus placements. We even had the highly experienced faculties of SCSIT taking part in the workshop as it is always necessary to upgrade your knowledge when you are in the computer field. The workshop also had a 2-day trial for the students who were not sure whether or not they should attend the workshop. Most of the students who attended the trial were extremely satisfied and they even enrolled themselves for the workshop soon after attending the trial period.

Dr. Sanjay Tanwani and Dr. Shraddha Masih were the main driving force behind the workshop. The Workshop would not have been possible without their continuous efforts. Mr. Pranit Verma was the trainer for the workshop. Pranit Verma Sir has over 10 years of multi-skilled IT experience and also has a proficiency in cloud solutions. He was just the perfect man for the job. The way sir motivated the students to solve problems and achieve their goals was really very inspiring.

The workshop was conducted via Google Meet and all the sessions right from the lectures to the doubt clearing was done online via Google Meet platform. The workshop was aimed at practical learning and students were taught by the live examples as Pranit Sir shared his screen for the better understanding of the students. Each and every step was shown to the students and their doubts were also cleared simultaneously so that no student lags behind the class.

The Valedictory Session was glorified and made memorable by the presence of Dr. Renu Jain, the Vice Chancellor of DAVV Indore. The Valedictory Session saw various attractive prizes being given to the best performers of the workshop by VC ma'am herself. It was a really proud moment for all the students. Renu Ma'am also encouraged the students to keep on participating in such workshops which will be held in the future, so that every student can

But without Mr. Pranit Verma, his 10+ years of experience and his guidance towards the aws cloud technology we won't be able to understand the necessity and knowledge of the cloud technology.

We thank Mr. Pranit Verma, awsindore.com, Dr. Sanjay Tanwani, Dr. Shraddha Masih and SCSIT,DAVV for providing us the workshop online even in the situation of a pandemic and lockdown and looking for the welfare of the students.
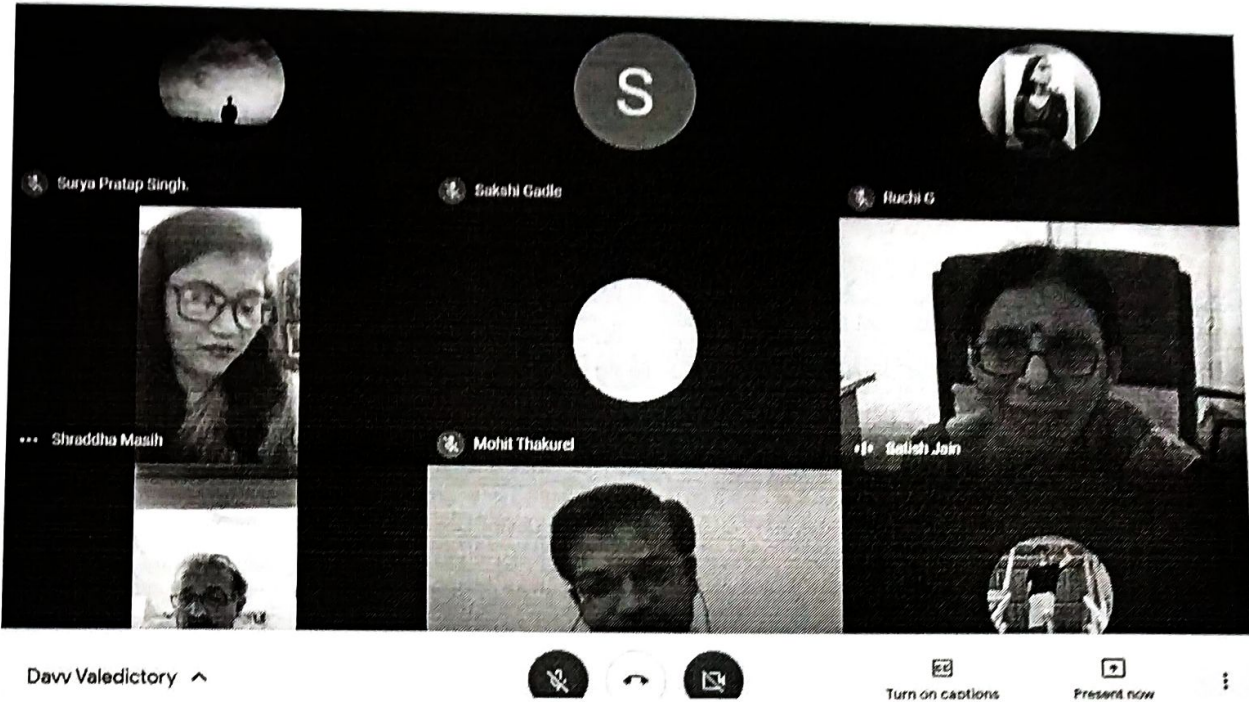
RESULTS:

Based on Online Test + Project Performance

SN	Name	Email Address	Mobile	Class	First Test Marks	Second Test Marks	Total
1	Ankita Khushlani	ankitakhushlani@gmail.com	9584436665	MCA 2	29	30	59
2	Himanshu Chandrol	himanshu.chandrol123@gmail.com	9753456303	MCA 2	28	28	56
3	Manish Pal	manish.pal1111@gmail.com	9074446039	MCA 2	27	28	55
4	Mohit Thakurel	thakurelmohit@gmail.com	8962720070	MCA 2	29	25	54
5	Neeraj Rai	neerajsinghamrai@gmail.com	7415701996	MCA 2	27	26	53
6	Rohit Ostwal	rohitostwal27@gmail.com	7987963165	MCA 2	28	24	52
7	Himanshu Chouhan	himanshuchouhan976@gmail.com	7247022907	MCA 2	28	23	51
8	Ruchi Gedam	ruchigedam97@gmail.com	8435158037	MCA 2	28	20	48
9	Sakshi Gadle	sakshigadle28@gmail.com	8359817886	MCA 2	28	20	48
10	Surya Pratap Singh	singhsurya.4321@gmail.com	7000461234	MSC 1	19	29	48
11	Kamesh Paliwal	kameshpaliwal21@gmail.com	7415183113	MCA 2	23	22	45
12	Jivesh Shrivastav	jayshrivastav721@gmail.com	7869304400	MCA 2	22	20	42
13	Sanjula Gurjar	sanjulagurjar28@gmail.com	9009880737	MCA 2	18	24	42
14	Somesh Sharma	somesh94798@gmail.com	9407136263	MCA 2	26	15	41

#	Name	Email	Phone	Course			
15	Binita Pathak	binita.pathak47@gmail.com	8878663912	MCA 2	24	15	39
16	Shubham Kumbhkar	shubhamkumbhkar70@gmail.com	7999325820	MCA 2	24	15	39
17	Aafreen Qureshi	aafreenqureshi002@gmail.com	8989137927	MCA 2	26	12	38
18	Priyansh Nema	nemapriyansh@gmail.com	8982417870	MSC 1	20	18	38
19	Shubham Verma	shubhamverma.sv295@gmail.com	9685080084	MCA 2	22	15	37
20	Shruti Jain	shruti149802@gmail.com	8962251248	MSC 1	21	15	36
21	Yashashree Joshi	yashashreejoshi16@gmail.com	8602792368	MSC 1	20	15	35
22	Hitesh Bairagi	hiteshb24101997@gmail.com	7987741143	MCA 2	19	15	34
23	Vaibhav Sharma	vaibhav834.sharma@gmail.com	8349309121	MCA 2	28		28
24	Rohit Malviya	rmrohit439@gmail.com	9907414988	MTECH 1	24		24
25	Gaurav Shrivastav	gauravji1998@gmail.com	8839661029	MCA 2	20		20
26	Priyanshi Goyal	priyanshigoyal111@gmail.com	9039850808	MSC 1	20		20
27	Avinash Malakar	avinashmalakar836@gmail.com	7898920309	MCA 2		18	18
28	Roshmeen Mansuri	roshmansuri777@gmail.com	9823694966	MCA 2		15	15
29	Satish Kumar	satishgupta9792070@gmail.com	7982165765	MCA 2	14		14
30	Astha Shukla	shuklaaastha4@gmail.com	9977865161	MSC 1	12		12
31	Harshita Patidar	patidarharshita23@gmail.com	9589365813	MCA 1	12		12
32	Ayush Kumar Soni	Ayushsoni6476@gmail.com	8982647622	MCA 2		9	9
33	Manan Taori	taorimanan19@gmail.com	9754716176	MCA 1			0
34	Muskan Gandhi	muskang636@gmail.com	7828794576	MCA 1			0
35	Muskan Pandey	panday1997muskan@gmail.com	6265358997	MCA 2			0
36	Pranshi Pandey	pranshipandey96@gmail.com	8966868707	MSC 1			0
37	Ruchika Soni	ruchika7389@gmail.com	7389150707	MCA 2			0
38	Sagun Singh Baghel	shreys227@gmail.com	8269740211	MCA 2			0

Photos of Valedictory Session:

Davv Valedictory ∧   Turn on captions   Present now

OTHER DETAILS:

1. PROPOSAL:

To,
Ms. Shraddha M.
DAVV, Indore

Subject: Proposal for workshop on Cloud Computing using AWS Platform.

Dear Mam,

TechLeo Solutions Indore, is pleased to present this proposal for your review. We look forward to deliver workshop on Cloud Computing (AWS Platform) at your esteemed institution for students. The objective of the workshop is to provide students with the latest knowledge of Cloud Platform & make them certification ready.

The workshop will be 100 % practical oriented. Students will be able to understand the concepts of various cloud platforms after the completion of the proposed workshop which in turn will help them to find the job and placements in this domain. Details of the company and topics to be covered is provided with this mail.

Kindly go through the proposal and provide us the date and time details of the workshop. Please give me a call at 951 656 1091 if you require any further information or have any questions concerning this proposal.

Thanking You

Mr. Pranit Verma
Director,
TechLeo Solutions, Indore
Mob. 9516561091
v.pranit@gmail.com

2. SYLLABUS:

AWS Indore's: AWS Certified Solutions Architect – Associate 2020 Training

AWS Certification is fast becoming the must have certificates for any IT professional working in different IT domains. This course is designed to help you pass the AWS Certified Solutions Architect (CSA) - Associate Exam. Even if you have never logged in to the AWS platform before, by the end of our AWS training you will be able to take the CSA exam. No programming knowledge needed and no prior AWS experience required.

1. **Introduction (Day 1)**
   - Cloud Computing Intro
   - Solutions Architect Associate Exam Intro
2. **Virtualization & Linux (Day 2, 3, 4, 5)**
   - Virtualization Intro
   - Linux Overview
   - Linux Installation
   - Linux Commands
   - User & Group in Linux
3. **AWS Overview (Day 6, 7)**
   - AWS Overview
   - The History of AWS
   - Global Infrastructure
   - AWS Free Tire
   - Create A Billing Alarm
4. **IAM Service (Day 8)**
   - IAM Service Overview
   - Policies, Roles, Groups, Users Management
5. **S3 – Storage Service (Day 9, 10, 11)**
   - S3 Introduction
   - Create an S3 Bucket
   - S3 Version Control
   - Lifecycle Management
   - Glacier
   - Security & Encryption
   - Transfer Acceleration
   - Deploying Static Website Using S3
   - Cross Region Replication
   - CloudFront - CDN
   - Snowballs
   - Storage Gateway

6. **EC2 – Compute Service (Day 12, 13, 14, 15)**
   - EC2 Introduction
   - Linux Instances
   - Windows Instances
   - Security Groups
   - Elastic Block Storage
   - Volumes & Snapshots
   - Encrypted Root Device Volumes & Snapshots
   - AWS AMI(s)
   - CloudWatch Service
   - AWS Command Line
   - IAM Roles with EC2
   - Instance Meta Data
   - Boot Strap Scripts
   - Elastic File System
   - Placement Groups
7. **Databases (Day 16, 17, 18)**
   - Databases Intro
   - Create an RDS Instance
   - RDS Backups
   - Multi-AZ & Read Replicas
   - DynamoDB Intro
   - Redshift Intro
   - Aurora Intro
   - Elasticache Intro
8. **Route53 - DNS Service (Day 19, 20)**
   - DNS Introduction
   - Domain Name Registration
   - Routing Policies
   - Simple Routing Policy
   - Weighted Routing
   - Latency Routing Policy
   - Failover Routing Policy

   - Geolocation Routing
   - Multivalue Answer
9. **VPCs - Networking Service (Day 21, 22, 23, 24)**
   - Introduction to VPCs
   - Build A Custom VPC
   - Network Address Translation (NAT)
   - Access Control Lists
   - Custom VPCs and ELBs
   - VPC Flow Logs
   - Bastions
   - Direct Connect
   - VPC End Points
10. **High Availability & Fault Tolerant Architecture (Day 25, 26, 27)**
    - Load Balancers
    - Autoscaling Groups
    - HA Architecture
    - HA Word Press Site
    - Adding Resilience and Load Balancing
    - CloudFormation
    - Elastic Beanstalk
11. **Applications Services (Day 28, 29)**
    - SNS
    - Elastic Transcoder
    - Kinesis
    - Web Identity Federation - Cognito
12. **Serverless Architecture - (Day 30)**
    - Lambda Concepts
    - API Gateway
    - A Serverless Webpage

Fees: Rs. 2000 /- Per Student (Only for online training) Min Students Required: 25

Trainer's Profile: Mr. Pranit Verma is having over 10+ years of multi-skilled IT Experience offering versatile training skills and proficiency in cloud solutions. A strong planner and problem solver who readily adapts to change, motivates the students to achieve the goal.

Mobile: 79747 45470, 95165 61091 **Email:** v.pranit@gmail.com **Website:** www.awsindore.com

3. TRAINER PROFILE

Microsoft
CERTIFIED
Professional

redhat
CERTIFIED
ENGINEER

Mr. Pranit Vijay Verma
I.T. Engineer

38, HIG, Scheme No. 54, Vijay Nagar, Indore
Mobile: +919516561091
Email: v.pranit@gmail.com

Summary

- Having overall **11 Years** of professional experience in the field of academics and industry.
- Positions held in past IT Cell Head, Project Manager, Assistant Professor, Center Head
- Expertise in PhP Development, Codeigniter, WordPress, Web Services & Linux Server Management.
- Cutting edge knowledge of SEO, Digital Marketing, Lead Generation and ERP Systems
- Worked and provided training for AWS Cloud & Azure Cloud

Technical Skills

Programming Languages	C, Java (Core), PHP
Platform	Linux, Windows
Web	JavaScript, HTML, CSS, AJAX, JQuery, WordPress, Codeigniter PHP Framework, BootStrap Mobile First Framework
Operating System	LINUX (RHEL, Ubuntu), Windows
Database	MySQL
Website Control Panels	cPanel
Cloud Platforms	Amazon Web Services (AWS), IBM Soft layer, Microsoft Azure
IT Services	SEO Services, Web Services, Digital Marketing, ERP Development and Management
Mobile Platforms	Android, React, Xamarin

Certifications

Certification Type	Grades/Remarks	Certified by Company
(AWS Innovate) Amazon Web Services Cloud Computing	Certified in 2017 for Participation	AWS
(MCP) Microsoft Certified Professional for HTML5 & CSS3	Certified in 2013 on HTML5,CSS3 with 85%	Microsoft
(RHCE) Red Hat Certified Engineer.	Certified in 2007 on RHEL 4 with 93%	Red Hat
(SJG) Sun JAVA Programming	Certified in 2007on JDK 1.2 with 71%	NIIT India Ltd.

Academic Record • M. Tech. (Computer Networks) Pursuing from Oriental University, Indore. • B.E. (Information Technology) from Kavikulguru Institute of Technology & Science College (KITS)

4. Certificate Sample

Thirty Days Workshop on

"AWS Solution Architect – Associate 2020"

CERTIFICATE OF APPRECIATION

This is to certify that **Ms. Ankita Khushlani** has secured *First* position in the assessment exam held in thirty days workshop on "AWS Solution Architect – Associate" jointly organized by **School of Computer Science & IT, DAVV** and **TechLeo Solutions, Indore** from 03rd June 2020 to 04th July 2020.

We appreciate the efforts and wish her all the best in future endeavors.

Trainer	Convener	Head
Mr. Pranit Verma	**Dr. Shraddha Masih**	**Dr. Sanjay Tanwani**
TechLeo Solutions, Indore	SCSIT, DAVV, Indore	SCSIT, DAVV, Indore

[Dr. Shraddha Masih]
CO-ORDINATOR