



ZEAL EDUCATION SOCIETY'S
ZEAL COLLEGE OF ENGINEERING AND RESEARCH
NARHE | PUNE -41 | INDIA



List of Students

Department: AI & DS

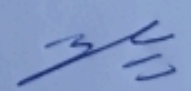
Semester: I

Academic Year: 2021 - 2022

Sr. No.	Student Name	Email Address	Phone Number	College	Certification Course	BRANCH
1	Chaitanya Yadav	chaitanyayadav1412@gmail.com	8767375580	ZCOER, PUNE	ML & AI	AI & DS
2	Shivam Sanjay Patil	www.shivampatilshiv@gmail.com	7038573273	ZCOER, PUNE	Machine Learning	AI & DS
3	Mokshad Antapurkar	antapurkar.mokshad@gmail.com	8007401935	ZCOER, PUNE	Machine Learning	AI & DS
4	Yash Prashant Pawar	pawaryash391@gmail.com	9765539959	ZCOER, PUNE	Machine Learning	AI & DS
5	Priya Lokhande	priyalokhande2103@gmail.com	9867096843	ZCOER, PUNE	Machine Learning	AI & DS
6	Samarth Chincholkar	samarthchincholkar@gmail.com	7775812240	ZCOER, PUNE	Machine Learning	AI & DS
7	Pratik Aher	aherpratik00@gmail.com	9172302744	ZCOER, PUNE	Machine Learning	AI & DS
8	Abrar Ahmed Rizwan Mungi	abrahammed120401@gmail.com	7620056093	ZCOER, PUNE	Microsoft azure AI	AI & DS
9	Aashika Anant Jain	ashikajain2002@gmail.com	9404443173	ZCOER, PUNE	Machine Learning	AI & DS
10	Mugdha sanjay borse	mugdhasb2002@gmail.com	9307317723	ZCOER, PUNE	Machine Learning	AI & DS
11	Rohit Bhavarlal Malviya	rohithmalviya@gmail.com	9370122449	ZCOER, PUNE	Machine Learning	AI & DS
12	Prathamesh Sachin Koli	pattukoli@gmail.com	9552253927	ZCOER, PUNE	ML & AI	AI & DS

Total **12**




Head ~~HO~~ Department
Artificial Intelligence and
Data Science Department
Zeal College of Engineering
And Research



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Report for Industry Expert/ Guest Faculty Session

Department: AI&DS
Class: SE

Semester: II

Academic Year: 2021-2022

Date: 26/5/2022

Name of Program:- Microsoft certification for Azure AI fundamentals

Duration of program: - 21 Sept 2021 to 27 Sept 2022

Curriculum:-

Microsoft Certified: Azure AI Fundamentals

Mastering the basics in AI can help you jump-start your career and get ready to dive deeper into the other technical opportunities Azure offers. Artificial intelligence (AI) opens doors into possibilities that might have seemed like science fiction only yesterday. Using AI, you can build solutions, improve your apps and advance technology in many fields, including healthcare, financial management, and environmental protection, to name just a few.

The Microsoft Certified: Azure AI Fundamentals certification could be a great fit for you if you'd like to:

- Prove that you have the AI skills it takes to build a better world. Earning your **Azure AI Fundamentals** certification can supply the foundation you need to build your career and demonstrate your knowledge of common AI and machine learning workloads—and what Azure services can solve for them.
- Validate your foundational knowledge of machine learning and AI concepts, along with related Azure services.

It is recommended to have some general programming knowledge or experience, but it is not required. You can use Azure AI fundamentals to reinforce your basics for other Azure role-based certifications, like Azure Data Scientist Associate, Azure AI Engineer Associate, or Azure Developer Associate, but it's not a prerequisite for any of them.

Section	Weight	Objectives
Describe Artificial Intelligence workloads and considerations	15-20%	Identify features of common AI workloads <ul style="list-style-type: none"> • identify prediction/forecasting workloads • identify features of anomaly detection workloads • identify computer vision workloads • identify natural language processing or knowledge mining workloads

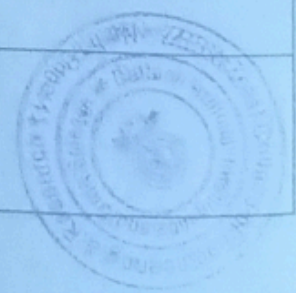




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Section	Weight	Objectives
		<ul style="list-style-type: none"> identify conversational AI workloads <p>Identify guiding principles for responsible AI</p> <ul style="list-style-type: none"> describe considerations for fairness in an AI solution describe considerations for reliability and safety in an AI solution describe considerations for privacy and security in an AI solution describe considerations for inclusiveness in an AI solution describe considerations for transparency in an AI solution describe considerations for accountability in an AI solution
Describe fundamental principles of machine learning on Azure	30-35%	<p>Identify common machine learning types</p> <ul style="list-style-type: none"> identify regression machine learning scenarios identify classification machine learning scenarios identify clustering machine learning scenarios <p>Describe core machine learning concepts</p> <ul style="list-style-type: none"> identify features and labels in a dataset for machine learning describe how training and validation datasets are used in machine learning describe how machine learning algorithms are used for model training select and interpret model evaluation metrics for classification and regression <p>Identify core tasks in creating a machine learning solution</p> <ul style="list-style-type: none"> describe common features of data ingestion and preparation describe feature engineering and selection describe common features of model training and evaluation describe common features of model deployment and management <p>Describe capabilities of no-code machine learning with Azure Machine Learning studio</p> <ul style="list-style-type: none"> automated ML UI azure Machine Learning designer
Describe features of computer vision workloads on	15-20%	<p>Identify common types of computer vision solution:</p> <ul style="list-style-type: none"> identify features of image classification solutions identify features of object detection solutions

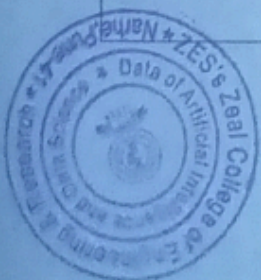




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Section	Weight	Objectives
Azure		<ul style="list-style-type: none"> identify features of semantic segmentation solutions identify features of optical character recognition solutions identify features of facial detection, facial recognition, and facial analysis solutions <p>Identify Azure tools and services for computer vision tasks</p> <ul style="list-style-type: none"> identify capabilities of the Computer Vision service identify capabilities of the Custom Vision service identify capabilities of the Face service identify capabilities of the Form Recognizer service
Describe features of Natural Language Processing (NLP) workloads on Azure	15-20%	<p>Identify features of common NLP Workload Scenarios</p> <ul style="list-style-type: none"> identify features and uses for key phrase extraction identify features and uses for entity recognition identify features and uses for sentiment analysis identify features and uses for language modeling identify features and uses for speech recognition and synthesis identify features and uses for translation <p>Identify Azure tools and services for NLP workloads</p> <ul style="list-style-type: none"> identify capabilities of the Text Analytics service identify capabilities of the Language Understanding service (LUIS) identify capabilities of the Speech service identify capabilities of the Translator Text service
Describe features of conversational AI workloads on Azure	15-20%	<p>Identify common use cases for conversational AI</p> <ul style="list-style-type: none"> identify features and uses for web chat bots identify features and uses for telephone voice menus identify features and uses for personal digital assistants identify common characteristics of conversational AI solutions <p>Identify Azure services for conversational AI</p> <ul style="list-style-type: none"> identify capabilities of the QnA Maker service identify capabilities of the Azure Bot service





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Assessment:-

The AI-900: Microsoft Azure AI Fundamentals assessment is designed to test your knowledge on the topics included in the Microsoft AI-900 exam.

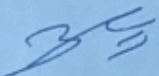
This assessment is aimed at candidates with both technical and non-technical backgrounds who want to test their skills.

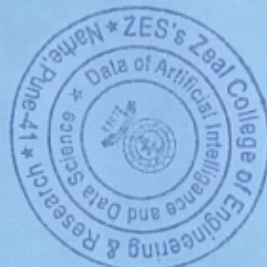
Candidates should have knowledge of machine learning (ML) and AI workloads and how to implement them on Azure. Data science and software engineering experience are not required. However, a foundational knowledge of cloud basics and client-server applications would be beneficial.

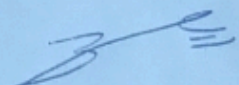
This assessment contains 30 questions from the Measure Up associated practice test. It does not include explanations or references as this is an assessment-only product.

Authentic information about the syllabus and an effective study guide is essential to go through the Microsoft AI-900 exam in the first attempt. The study guide of Study4Exam provides you with comprehensive information about the syllabus of the Microsoft AI-900 exam. You should get this information at the start of your preparation because it helps you make an effective study plan. We have designed this Microsoft Azure AI Fundamentals certification exam preparation guide to give the exam overview, practice questions, practice test, prerequisites, and information about exam topics that help to go through the Microsoft Azure AI Fundamentals (2022) exam. We recommend you to the preparation material mentioned in this study guide to cover the entire Microsoft AI-900 syllabus. Study4Exam offers 3 formats of Microsoft AI-900 exam preparation material. Each format provides new practice questions in PDF format, web-based and desktop practice exams to get passing marks in the first attempt.

Total of 12 students from AI&DS department have completed the course and out of them 4 students cleared with certification examination.


Staff Co-Ordinator




Head of Department
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Record No.: ZCOER-ACAD/R/18

Revision: 00

Date:01/04/2021

Attendance for Microsoft Certification

Department: AI&DS

Semesters: I

Academic Year: 2021 -2022

Class: SE

Time: 10:00: AM to 04:00: PM

Date		DD	21	22	23	24	25	26	27
		MM	09	09	09	09	09	09	09
Lecture Name		1	2	3	4	5	6	7	
Sr No.	Name of Student								
1	Chaitanya Yadav	P	P	P	P	P	P	P	P
2	Shivam Sanjay Patil	P	P	P	P	P	P	P	P
3	Mokshad Antapurkar	P	P	P	P	P	P	P	P
4	Yash Prashant Pawar	P	P	P	P	P	P	P	P
5	Priya Lokhande	P	P	P	P	P	P	P	P
6	Samarth Chincholkar	P	P	P	P	P	P	P	P
7	Pratik Aher	P	P	P	P	P	P	P	P
8	Abrar Ahmed Rizwan Mungi	P	P	P	P	P	P	P	P
9	Aashika Anant Jain	P	P	P	P	P	P	P	P
10	Mugdha sanjay Borse	P	P	P	P	P	P	P	P
11	Rohit Bhavarlal Malviya	P	P	P	P	P	P	P	P
12	Prathamesh Sachin Koli	P	P	P	P	P	P	P	P

StaffCo-Ordinator



Head of Department

HOD

Artificial Intelligence and
Data Science Department
Zeal College of Engineering
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Certificate of Completion

This is to certify that
Chaitanya Yadav

RegM# 8767375580 has successfully completed the workshop on
AIML



ATS Learning Solutions

Nikhil Ratwani

Nikhil Ratwani

Date of issue: 03-08-2022





Certificate of Completion

This is to certify that
Shivam Sanjay Patil

RegM# 7038573273 has successfully completed the workshop on
AIML



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Nikhil Ratwani

Nikhil Ratwani

Date of issue: 03-08-2022





Certificate of Completion

This is to certify that
Mokshad Antapurkar

RegM# 8007401935 has successfully completed the workshop on
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Date of issue: 03-08-2022





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This is to certify that
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RegM# 9765539959 has successfully completed the workshop on
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RegM# 9867096843 has successfully completed the workshop on
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Date of issue: 03-08-2022





Certificate of Completion

This is to certify that
Samarth Chincholkar

RegM# 7775812240 has successfully completed the workshop on
AIML



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Date of issue: 03-08-2022





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This is to certify that

Pratik Aher

RegM# 9172302744 has successfully completed the workshop on

AIML



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Date of issue: 03-08-2022





Certificate of Completion

This is to certify that

ABRAR AHMED RIZWAN MUNGI

RegM# 7620056093 has successfully completed the workshop on

AIML



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Nikhil Ratwani

Date of issue: 03-08-2022





Certificate of Completion

This is to certify that
Aashika Anant Jain

RegM# 9404443173 has successfully completed the workshop on
AIML



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This is to certify that
Mugdha Sanjay Borse

RegM# 9307317723 has successfully completed the workshop on
AIML



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Nikhil Ratwani

Date of issue: 03-08-2022





Certificate of Completion

This is to certify that

ROHIT BHAVARLAL MALVIYA

RegM# 9370122449 has successfully completed the workshop on

AIML



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Nikhil Ratwani

Nikhil Ratwani

Date of issue: 03-08-2022





Certificate of Completion

This is to certify that
Prathamesh Sachin Koli

RegM# 9552253927 has successfully completed the workshop on
AIML



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Nikhil Ratwani

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Date of issue: 03-08-2022

