Ref: MSRCASC/CSc/22-23/010   Date: 2/5/2023

CIRCULAR

Department of Computer Science

The Department is conducting value added course on **"Artificial Intelligence with Real-time Application""** for the final year BCA students from 15th to 18th May 2023. The resource person Mr. Mohammed Azhar Hussain, Mentor & AI Engineer INDO SKILLS. The course is for 4 days from 9am to 5pm. Students have to register for the course. Please enrol your names to Mrs. Shaik Valli Haseena on or before 11th May 2023.

Venue: Computer Lab 2

HOD
2/5/23

17/05/23
PRINCIPAL
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Bangalore - 560 054

RAMAIAH
College of Arts, Science & Commerce

ಎಮ್ ಎಸ್ ರಾಮಯ್ಯ ಕಲಾ, ವಿಜ್ಞಾನ ಮತ್ತು ವಾಣಿಜ್ಯ ಕಾಲೇಜು
M S Ramaiah College of Arts, Science and Commerce
Re-accredited 'A' by NAAC, Permanently Affiliated to Bengaluru City University,
Approved by Government of Karnataka, Approved by AICTE, New Delhi,
Recognized by UGC under 2f & 12B of UGC act 1956
(National Institutional Ranking Framework, Ministry of Education, Govt of India)
Ranked 62'ⁿ in NIRF India Ranking by MHRD, New Delhi
DBT Star College Scheme

Department of Computer science

Value Added Course on "Artificial Intelligence with Real-Time Application"

Date:15ᵗʰ May 2023 to 18ᵗʰ May 2023

Venue:Computer Lab

Participants: III Year BCA

Resource Person: Mr. Mohammed Azhar Hussain, CTO, Aqmenz Automation Pvt Ltd, INDOSKILL.

No of Students: 78

Event coordinator: Shaik Valli Haseena

Objective: Get Introduced to Artificial Intelligence, Students will get an opportunity to Learn

➢ Industry Standard AI Frameworks like Tensorflow, Keras, Django.
➢ Students will be given hands-on exposure to working on Artificial Intelligence Projects.
➢ Students will learn to build the Predictive Models & Deployment in Production.
➢ Students will learn Cloud Platform for Model Deploymeny like Heroku or AWS

CourseOutline –

✓ Introduction to Artificial Intelligence
✓ Deep Dive into Python Libraries
✓ AI Foundation-1 : Machine Learning
✓ AI Foundation-2: Deep Learning
✓ Model Deployment
✓ Major Application Projects
✓ Capstone Project given to Each Student

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MSRIT Post | +91 80 2360 6905 | W www.msrcasc.edu.in
Bangalore 560 054 | F +91 80 2360 6213

The Department of computer science in association with Aqmenz Automation Pvt Ltd, INDOSKILL **organized the Value Added Course on "Artificial Intelligence with Real-Time Application"** from 15th May 2023 to 18th May 2023 to the III years BCA Students **Mr. Mohammed Azhar Hussain, CTO**, Aqmenz Automation Pvt Ltd, INDOSKILL was the resource person for the course and delivered the lecture in the area of Artificial Intelligence. Ms. Shaik Valli Haseena was the faculty coordinator for the program.

Four-dayvalue-added course was hosted by the event coordinator Ms. Shaik Valli Haseena. The inauguration of the program was done by Dr. Prathiba V Kulburgi by addressing students and introducing the resource person to the students. Later Session was handed over to the resource person. The below list shows the program flow program.

On day one the resource persongave a brief introductionto Artificial Intelligence & its Applications and showed hands-on experience withAnaconda & Spider IDE Installation. he later explored about basics of Python, AI, and Machine learning.

On day two the session started with an explanation about feature scaling projects and about regression models. Later they handled the session with a practical approach Git Hub installation, Remote Repository Creation.At the end of the day,the resource person gave an assessment to all students. Students were very happy as they got the opportunity to learn with practical exploration.

On day three The session started with very interesting topics such as deep learning, Neural networks, and Tensor Flow Basics: Sequential Models, Compilation, Training & Testing. Later he gave an explanation about Introduction to Model Deployment &Cloud Platforms and Model Deployment on Production Server using Streamlit, Car Sales Prediction using Linear Regression & Deployment using Streamlit. At the end of the session, they addressed students with real-time projects like Real-time Plant Disease Prediction using CNN & Deployment, Practical Implementation of MNIST Dataset using ANN, Car Sales Prediction using Linear Regression & Deployment using Streamlit. On day 3 the formal valedictoryfunction got over by thanking all the members of the INDOSKILL team by Dr. Poornima and Dr. Prathiba. Day four was completely by online assistance to the students through project allocation and demonstration about project data collection, code optimization deployment, and code building. The assessment was being taken careby Aqmenz Automation Pvt Ltd, INDOSKILL.

and qualified students got certification from the organization.

The outcome of the Program:

- ❖ Hands-on with Python Libraries which leads to a strong foundation in Artificial Intelligence.
- ❖ Understands Predictive Models Building & Deployment.
- ❖ Students will get experience with Tensor Flow, Keras, Django/streamlit, and Heroku.
- ❖ 5 Major Projects have been Solved & a Separate Capstone Project assessment taken and completed by all students.

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Value Added Course on "Artificial Intelligence with Real-Time Application"

Event organized by: Department of Computer Science

Resource Person: Mr. Mohammed Azhar Hussain (Mentor & AI Engineer, Indo Skills)

Date: 15/05/2023 to 18/05/2023
Time: 9 AM onwards
Venue: Computer Lab

Event Coordinator: Ms. Shaik Valli Haseena

Bengaluru, Karnataka, India
Gate No.10, Level 3, A-Block, Ramaiah Institute Of Technology Ms Ramaiah College Of Arts Science & Commerce, above RCASC, M S Ramaiah Nagar, Mathikere, Bengaluru, Karnataka 560054, India
Lat 13.032061°
Long 77.566216°
15/05/23 10:02 AM GMT +05:30

Bengaluru, Karnataka, India
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IndoSkill Feedback Form
Cumulative Report

Branch: 6th sem, Department of Computer Science, MS Ramaiah College of Arts, Science and Commerce
Workshop:SDP on "Artificial Intelligence with Real-Time Application"
Date: 15th May 2023 to 18th May 2023
No. of Students Feedback Responses: 34
Rating: 5 – Excellent, 4 - Very Good, 3 – Good, 2 – Fair, 1 – Poor

SI no	Questions	Overall Rating (out of 5)
1	The content shared was valuable and was clear and to the level of my understanding	4.38
2	The training is applicable to my role and will support me in my functional role	4.47
3	The trainer was able to give me hands-on experience and demo which made it easier for me to follow	4.62
4	The training was structured and time management was well planned	4.44
5	How knowledgeable was the trainer	4.65
6	The presentation was good and queries/doubts raised were answered	4.56
7	Overall Rating	4.52

Feedback link:
https://forms.gle/vLLN78pMPBpABxQ4A

Response Sheet link:
https://docs.google.com/spreadsheets/d/1qTmOjch0dsskoVS1KVVtJqJ6yib8pbXlR28obQ98g9k/edit?usp=share_link

www.indoSkill.in

For Indoskill
Mohammed Azhar Hussain
Ph: 9738802359 / 9743396604
CTO - Aqmenz Automation Pvt Ltd
Bangalore - 32

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Bangalore - 560 054

Student's Feedback:

SDP96 Feedback Ramaiah BCA - 15th to 18th May 2023

- ● Are you Interested to join Workshop on Advanced Technologies with Indoskill in Future?
- ● Not Intersted Students

14.7%

85.3%

SDP96 Feedback Ramaiah BCA - 15th to 18th May 2023

- ■ Max. Rating
- ■ Student's Rating

	The content shared was valuable & to the level of understanding	The training is applicable to my role and will support me in my functional role	The trainer was able to give me hands on experience
Max. Rating	5	5	5
Student's Rating	4.38	4.47	4.62

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2

SDP96 Feedback Ramalah BCA - 15th to 18th May 2023
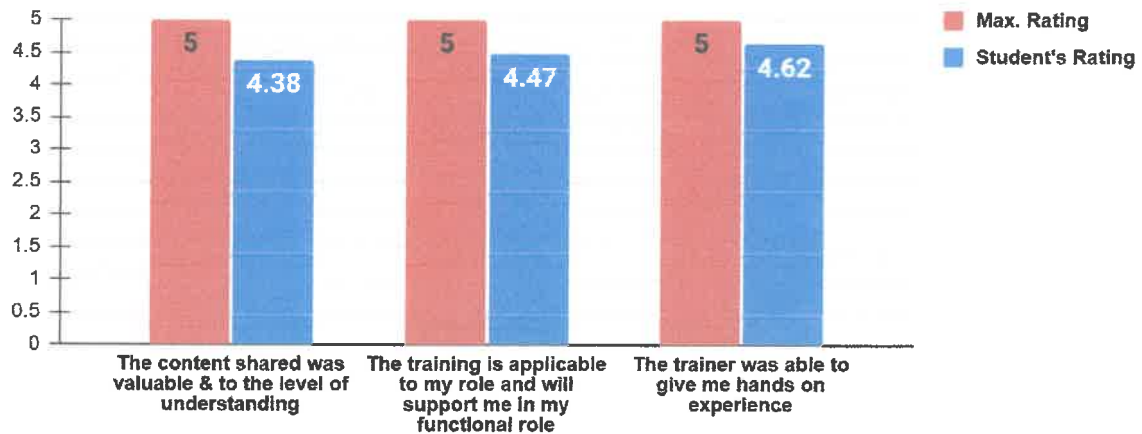
Legend: Max. Rating (red), Student's Rating (blue)

Bar values:
- The training was structured and time management was well planned: Max. Rating 5, Student's Rating 4.44
- How knowledgeable was the trainer: Max. Rating 5, Student's Rating 4.65
- The presentation was good and doubts raised were answered: Max. Rating 5, Student's Rating 4.56

SDP96 Feedback Ramaiah BCA - 15th to 18th May 2023

Legend: Max. Rating (red), Student's Rating (blue)

Overall Rating: Max. Rating 5, Student's Rating 4.52
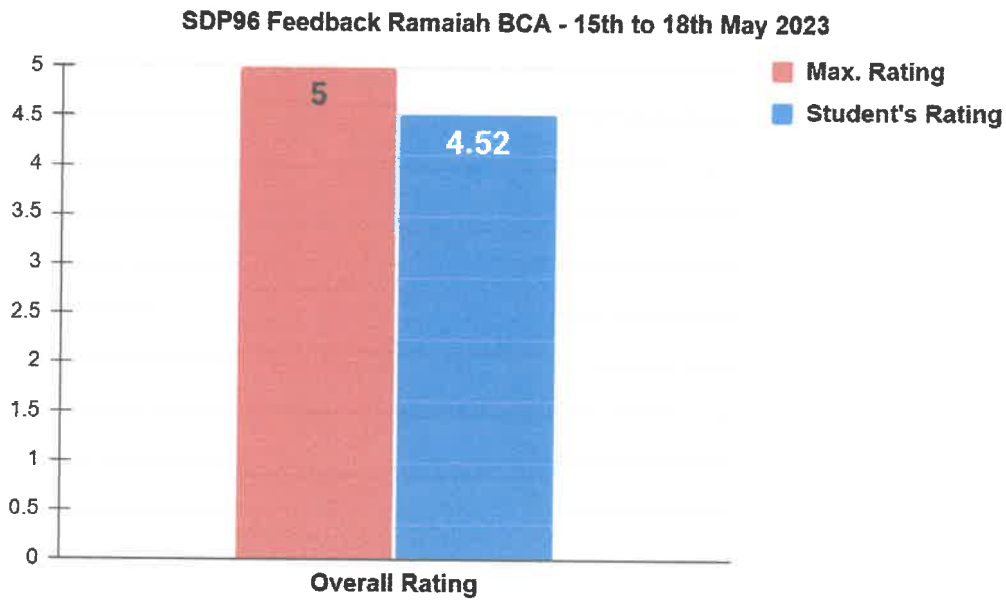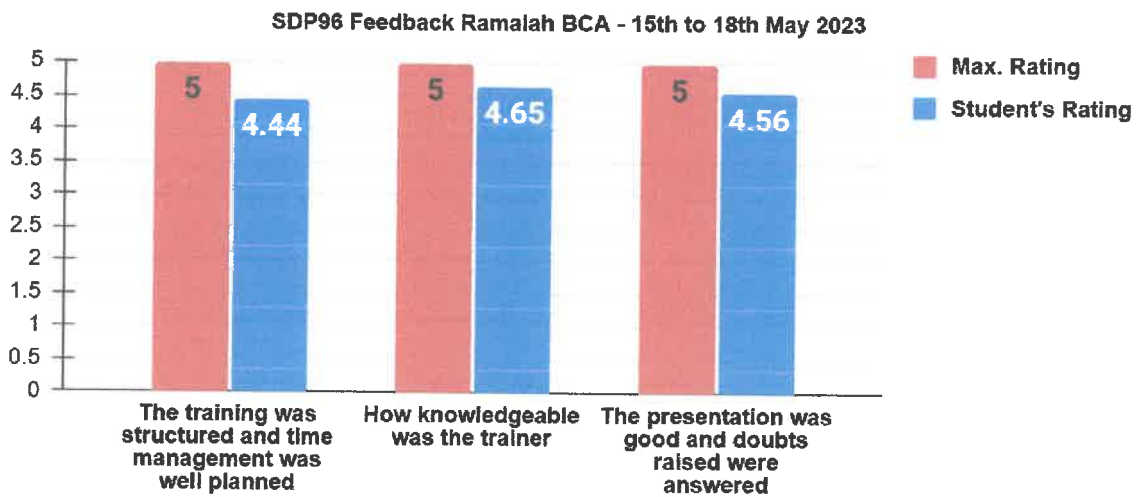
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SDP96_Day1_Assessment_AIML

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* Indicates required question

1. Email *

_____

2. Name (Note: The same Name will be used for Certificate) *

_____

3. USN (University Seat No) *

_____

4. Semester *

    Mark only one oval.

    �◯ 1
    ◯ 2
    ◯ 3
    ◯ 4
    ◯ 5
    ◯ 6
    ◯ 7
    ◯ 8

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5. Branch *

Mark only one oval.

- ( ) BCA
- ( ) MCA
- ( ) BSc
- ( ) MSc
- ( ) Electronics & Communication Engineering
- ( ) Electronics & Instrumentation Engineering
- ( ) Computer science Engineering
- ( ) Electronics & Telecommunication Engineering
- ( ) Information Science Engineering
- ( ) Artificial Intelligence & Machine Learning
- ( ) Mechanical Engineering
- ( ) Electrical & Electronics Engineering
- ( ) Mechatronics
- ( ) Others

6. 1) Below given data belongs to which type ? *
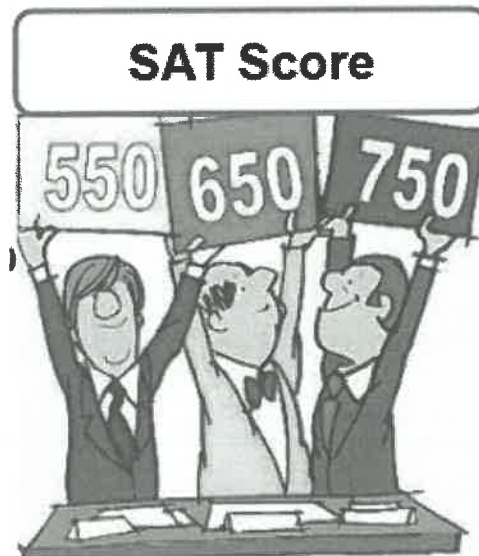
Mark only one oval.

◯ A) Discrete Data

◯ B) Continuous Data

◯ C) Nominal Data

◯ D) none of the above

7. 2) Function used to check null values ? *

Mark only one oval.

◯ A) df.isnull( )

◯ B) df.findnull( )

◯ C) df.total( )

◯ D) none of the above

8. 3) what is the dtype of Name column in the below given Dataset. *   1 point

Name	Age	Fare
Kelly, Mr. James	34.5	7.8292
Wilkes, Mrs. James (Ellen Needs)	47.0	7.0000
Myles, Mr. Thomas Francis	62.0	9.6875
Wirz, Mr. Albert	27.0	8.6625
Hirvonen, Mrs. Alexander (Helga E Lindqvist)	22.0	12.2875
...	...	...
Spector, Mr. Woolf	NaN	8.0500
Oliva y Ocana, Dona. Fermina	39.0	108.9000
Saether, Mr. Simon Sivertsen	38.5	7.2500
Ware, Mr. Frederick	NaN	8.0500
Peter, Master. Michael J	NaN	22.3583

Mark only one oval.

◯ A) str64

◯ B) int64

◯ C) object

◯ D) None of the above

9. 4) Which of the Following Programs belongs to Filtering Method in Pandas? *   1 point

Mark only one oval.

```
import pandas as pd
Data = pd.read_csv("titanic.csv")
Data.iloc[0:2,0:3]
```

◯ A)

```
import pandas as pd
dat = pd.read_csv("titanic.csv")
dat.head()
dat.loc[[1,2,3,4,5],["Name","Age"]]
```

◯ B)

```
import pandas as pd
Data = pd.read_csv("titanic.csv")
Data[Data["Survived"]>0]
```

◯ C)

◯ D) none of the above

10. 5) Which function in Pandas was used to read the last 2 rows of the dataset?   * 1 point

Mark only one oval.

◯ A) df.tail( )

◯ B) df.head(2)

◯ C) df.tail(2)

◯ D) none of the above

11. 6) which is the correct form of the print function *

1 point

Mark only one oval.

- A) print("Hello")
- B) PRINT "Hello"
- C) Print "Hello"
- D) none of the above

12. 7) Below given data belong to which datatype *

1 point

a = 100

Mark only one oval.

- A) float
- B) int
- C) str
- D) bool

13. 8) What is the output of the below program, *

1 point

```
a = "125"
b = float(a)
print(b)
```

Mark only one oval.

- A) 125
- B) "125"
- C) 125.0
- D) None of the above

14. 9) What error we will get if we run the below program? * 1 point

```
if(i < 10):
print("i less than 10")
```

Mark only one oval.

- ⬭ A) Indentation Error
- ⬭ B) Syntax Error
- ⬭ C) No error
- ⬭ D) none of the above

15. 10) Which is not an Arithmetic operator * 1 point

Mark only one oval.

- ⬭ A) +
- ⬭ B) >>
- ⬭ C) **
- ⬭ D) //

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SDP96_Day2_Assessment_AIML

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* Indicates required question

1. Email *

   _____

2. Name (Note: The same Name will be used for Certificate) *

   _____

3. USN (University Seat No) *

   _____

4. Semester *

   Mark only one oval.

   ◯ 1
   ◯ 2
   ◯ 3
   ◯ 4
   ◯ 5
   ◯ 6
   ◯ 7
   ◯ 8

5. Branch *

Mark only one oval.

⬭ BCA

⬭ MCA

⬭ BSc

⬭ MSc

⬭ Electronics & Communication Engineering

⬭ Electronics & Instrumentation Engineering

⬭ Computer science Engineering

⬭ Electronics & Telecommunication Engineering

⬭ Information Science Engineering

⬭ Artificial Intelligence & Machine Learning

⬭ Mechanical Engineering

⬭ Electrical & Electronics Engineering

⬭ Mechatronics

⬭ Others

6. 1) Which of the following Visualization Involves Visualizing only one variable at a   *
   time?

Mark only one oval.

⬭ A) Univariate Analysis

⬭ B) Bivariate Analysis

⬭ C) Multivariate Analysis

⬭ D) none of the above

7.   2) Dataframe is a _____ . *

Mark only one oval.

⬭ A) Single Dimensional Heterogenous Data

⬭ B) Single Dimensional Homogenous Data

⬭ C) Two Dimensional Heterogenous Data

⬭ D) none of the above

8.   3) Heatmap is used to ____ *

Mark only one oval.

⬭ A) Visualize single Variable

⬭ B) delete Variables

⬭ C) Visualize the correlation between Different Features

⬭ D) None of the above

9.   4) In Which encoding technique, Each category is assigned a value 1 through N? *

Mark only one oval.

⬭ A) Label Encoding

⬭ B) Binary Encoding

⬭ C) One Hot Encoding

⬭ D) none of the above

10. 5) Which function is used to split Train & Test data . *

Mark only one oval.

- ⬭ A) train( )
- ⬭ B) train_test_split( )
- ⬭ C) test( )
- ⬭ D) None of the above

11. 6) Which statistical method is used to replace null values if we have outliers in the *
numerical Feature?

Mark only one oval.

- ⬭ A) .median( )
- ⬭ B) .mean( )
- ⬭ C) .mode( )
- ⬭ D) none of the above

12. 7) Which of the following is true about missing values? *

Mark only one oval.

- ⬭ A) Missing Values can always been imputed using the mean
- ⬭ B) Missing Values should always be deleted from dataset
- ⬭ C) Missing values should be handled very carefully as it can lead to an inaccurate model if not handled correctly
- ⬭ D) None of the above

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DBT Star College Scheme

Department of Computer science
Value Added Course on "Artificial Intelligence with Real-time Application"

Students Attendance List

S.NO	USN	STUDENT NAMES									Signature
1	R2017601	Kesavan S	1	2	3	4	5	A	6	7	Kesavan S
2	R2017602	Abhishek A	1	A	2	3	4	A	5	A	
3	R2017603	Abhishek A Parekar	1	2	3	4	5	A	6	7	
4	R2017604	Abishek A	1	2	3.	4	5	6	7	8	Abishek
5	R2017605	Akash S	1	A	2	3	4	A	5	A	
6	R2017606	Alok N	A	A	A	A	A	A	A	A	Alok
7	R2017607	Aman Barik	A	A	A	A	A	A	A	A	
8	R2017608	Amudha S	1	2	3	4	5	6	7	8	
9	R2017609	Anusha Balasubramani	1	2	3	4	5	6	7	8	
10	R2017610	AVRANIL PATRA	1	2	3	4	5	A	6	7	Apatra
11	R2017611	B S Anshu	A	A	A	A	A	A	A	A	Anshu
12	R2017612	B Yathin Prasad	1	A	2	A	3	A	4	A	
13	R2017613	Bhoomika S	1	2	3	4	5	A	6	7	BL ka
14	R2017614	BHUMIKA PADALIYA	1	2	3	U	5	6	7	8	Bka
15	R2017615	C. Eldo Rufus	A	A	A	A	A	A	A	A	Eld
16	R2017616	Chaithanya S	A	A	A	A	A	A	A	A	chand
17	R2017617	Fuhaid Saneen T C	1	2	3	4	5	A	6	7	
18	R2017618	Gadamsetty Eswar	1	2	3	4	5	A	6	7	G. Gwar.
19	R2017619	Gaurav Chauhan	1	A	2	A	A	A	3	A	Gaurav
20	R2017620	Gorantla Yeshaswini	A	A	A	A	A	A	A	A	G. Yesh
21	R2017621	Harsh	1	2	3.	4	A	A	5	6	Harsh
22	R2017623	Hema Athota	1	2	3.	4	A	A	5	6	Hema
23	R2017624	HEMANSHI BHATT	1	2	3	4	5	6	7	8	Hemanshi Bhatt
24	R2017625	Inderdeep Singh	1	2	3	4	5	6	7	8	Indup Jadb
25	R2017626	Jason Martin Dsouza	1	A	2	3	A	A	4	A	Jason
26	R2017627	Keerthi T R	1	A	2	3	4	5	6	A	Keerthi. T.R
27	R2017628	Kiran Raj	1	2	3.	4	5	6	7	8	
28	R2017630	Manju Murthy K	1	A	2	A	3	A	4	A	Manju
29	R2017631	Mohammed Nihal P K	1	A	2	3	4	A	5	A	
30	R2017632	Mohammed Sahil	1	2	23	4	5	6	7	8	M-Sahil
31	R2017633	MONAZIR KHAN	1	A	2	3	4	5	6	A	Monazir
32	R2017634	N.M.Hashika	1	2	3	A	4	5	6	7	Hashik
33	R2017635	Nagendra N	A	A	A	A	A	A	A	A	Nag
34	R2017636	Naveen E	A	A	A	A	A	A	A	A	Nav
35	R2017637	Nishanth N V	1	2	3	4	5	A	6	7	

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36	R2017638	P Persi Priscilla	1	2	A	A	3	4	5	6	
37	R2017639	Peer Abdul Basit Tawheedi	1	2	3	4	5	6	7	8	
38	R2017640	Pooja R	1	2	3	A	4	A	5	6	
39	R2017641	Prajwal Kumar K S	A	A	A	A	A	A	A		
40	R2017642	Pratik Nayak	1	A	2	3	A	A	4	A	
41	R2017643	PRATIK PUNJ	1	2	3	4	5	A	6	7	
42	R2017644	R V Venkat Nath	1	2	3	4	5	6	7	8	
43	R2017645	Rahul C	A	A	1	A	A	A	A	A	
44	R2017646	RAHUL RAJ	A	A	A	A	A	A	A	A	
45	R2017647	RAVI KIRAN B	A	A	A	A	A	A	A	A	
46	R2017648	Ravi S	A	A	A	A	A	A	A	A	
47	R2017649	Rithik K	A	A	1	A	2	A	A	A	
48	R2017650	Rohan A	1	A	2	3	4	A	5	A	
49	R2017651	Roshni M	1	2	3	A	4	5	6	7	
50	R2017652	Rushabh Mohan Bhor	1	2	3	4	5	6	7	8	
51	R2017653	Sadhana S	1	2	3	4	5	A	6	7	
52	R2017654	Sai Kiran V R	A	A	A	A	A	A	A	A	
53	R2017655	Salman Pasha S	1	A	2	A	3	A	4	A	
54	R2017656	SALMAN UMER	1	2	3	4	5	6	7	8	
55	R2017657	Sandeep Kumar M	1	2	3	4	5	A	6	7	
56	R2017658	Sanjay Kumar K	1	2	3	4	A	A	5	6	
57	R2017659	Sanket S Kulkarni	1	A	A	A	A	A	2	A	
58	R2017660	Shalini M	1	A	A	A	2	A	3	A	
59	R2017661	Sheela B	A	A	A	A	A	A	A	A	
60	R2017662	Shilpa V	1	2	A	A	A	A	3	4	
61	R2017663	Shreehari K	A	A	A	1	2	3	A	A	
62	R2017664	Sonia Sarah S	1	A	A	A	2	A	3	A	
63	R2017665	Sowmya Shree G S	1	2	3	4	5	A	6	7	
64	R2017666	Subhash S Bharadwaj	1	A	2	A	3	A	4	A	
65	R2017667	Sunil Gope	1	2	3	4	5	6	7	8	
66	R2017668	Supriya G R	1	2	3	4	5	6	7	8	
67	R2017669	Suyash Sumant	1	2	3	4	5	6	7	8	
68	R2017670	Tejas Vidyadhar Kulkarni	1	2	3	4	5	A	6	7	
69	R2017671	Thomas P Kurian	1	2	3	4	5	6	7	8	
70	R2017672	Tushar Pokar	A	A	A	A	A	A	A	A	
71	R2017673	Ujwal R	A	A	A	A	A	A	A	A	
72	R2017674	Vignesh B S	1	2	3	4	5	6	7	8	
73	R2017675	Vignesh Lokesh P G	1	2	3	4	5	A	6	7	
74	R2017676	Vikrant Vir	1	A	2	A	3	A	4	A	
75	R2017677	Vindhya V R	1	2	3	4	A	A	5	6	
76	R2017678	Vinutha Y N	1	2	3	4	5	6	7	8	
77	R2017679	Yathy Suresh	1	2	3	4	5	6	7	8	
78	R2017680	Yeshaswini G	1	2	3	4	5	6	7	8	

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N M HASHIKA

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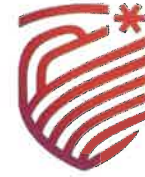सूक्ष्म, लघु एवं मध्यम उद्यम

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YESHASWINI G

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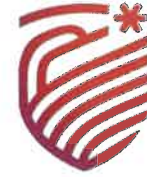सूक्ष्म, लघु एवं मध्यम उद्यम

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CIN: U74999KA2018PTC117612

RAMAIAH
College of Arts, Science & Commerce

COURSE COMPLETION
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SONIA SARAH S

R2017664

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has successfully completed **Value Added Course** on **"Artificial Intelligence with Real-Time Applications"**

in association with **Aqmenz Automation Pvt. Ltd.** from 15.05.2023 to 18.05.2023

CERTIFICATE ISSUE NO: IN / **13655** / FY2023

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Mr Mohammed Azhar Hussain
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कौशल भारत-कुशल भारत

MSME
MICRO, SMALL & MEDIUM ENTERPRISES
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MAKE IN INDIA

Mr Mohan V S
Chief Executive Officer (CEO),
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Aqmenz Automation Private Limited

CIN: U74999KA2018PTC117612

RAMAIAH
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ABHISHEK A

R2017602

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CERTIFICATE ISSUE NO: IN / **13653** / FY2023

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MAKE IN INDIA

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SUBHASH S BHARADWAJ

R2017666

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has successfully completed **Value Added Course** on **"Artificial Intelligence with Real-Time Applications"**

in association with **Aqmenz Automation Pvt. Ltd.** from 15.05.2023 to 18.05.2023

CERTIFICATE ISSUE NO: IN / **13651** / FY2023

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MAKE IN INDIA

Mr Mohan V S
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Aqmenz Automation Private Limited

CIN: U74999KA2018PTC117612

RAMAIAH
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COURSE COMPLETION
CERTIFICATE

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PRATIK PUNJ

R2017643

Student of **Department of Computer Science, MS Ramaiah College of Arts, Science and Commerce, Bengaluru**

has successfully completed **Value Added Course** on **"Artificial Intelligence with Real-Time Applications"**

in association with **Aqmenz Automation Pvt. Ltd.** from 15.05.2023 to 18.05.2023

CERTIFICATE ISSUE NO: IN **/** **13649** **/** FY2023

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MAKE IN INDIA

Mr Mohan V S
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Aqmenz Automation Private Limited

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RAMAIAH
College of Arts, Science & Commerce

COURSE COMPLETION

CERTIFICATE

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HEMANSHI BHATT

R2017624

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has successfully completed **Value Added Course** on **"Artificial Intelligence with Real-Time Applications"**

in association with **Aqmenz Automation Pvt. Ltd.** from 15.05.2023 to 18.05.2023

CERTIFICATE ISSUE NO: IN / **13647** / FY2023

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Aqmenz Automation Private Limited
Bangalore 560 032

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MAKE IN INDIA

Mr Mohan V S
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RAMAIAH
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COURSE COMPLETION
CERTIFICATE

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AVRANIL PATRA

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Student of **Department of Computer Science, MS Ramaiah College of Arts, Science and Commerce, Bengaluru**

has successfully completed **Value Added Course** on **"Artificial Intelligence with Real-Time Applications"**

in association with **Aqmenz Automation Pvt. Ltd.** from 15.05.2023 to 18.05.2023

CERTIFICATE ISSUE NO: IN / **13645** / FY2023

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Aqmenz Automation Private Limited

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RAMAIAH
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COURSE COMPLETION
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AKASH S

R2017605

Student of **Department of Computer Science, MS Ramaiah College of Arts, Science and Commerce, Bengaluru**

has successfully completed **Value Added Course** on **"Artificial Intelligence with Real-Time Applications"**

in association with **Aqmenz Automation Pvt. Ltd.** from 15.05.2023 to 18.05.2023

CERTIFICATE ISSUE NO: IN / **13694** / FY2023

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RAMAIAH
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SANDEEP KUMAR M

R2017657

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CERTIFICATE ISSUE NO: IN / **13692** / FY2023

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SHALINI M

R2017660

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in association with **Aqmenz Automation Pvt. Ltd.** from 15.05.2023 to 18.05.2023

CERTIFICATE ISSUE NO: IN / **13690** / FY2023

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RAMAIAH
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CERTIFICATE

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BHUMIKA PADALIYA

R2017614

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has successfully completed **Value Added Course** on **"Artificial Intelligence with Real-Time Applications"**

in association with **Aqmenz Automation Pvt. Ltd.** from 15.05.2023 to 18.05.2023

CERTIFICATE ISSUE NO: IN / **13688** / FY2023

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RAMAIAH College of Arts, Science & Commerce

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HEMA ATHOTA

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in association with **Aqmenz Automation Pvt. Ltd.** from 15.05.2023 to 18.05.2023

CERTIFICATE ISSUE NO: IN / **13686** / FY2023

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560 032

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Chief Executive Officer (CEO),
AQMENZ Automation Pvt. Ltd.,
Bengaluru - 560032
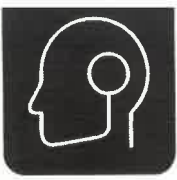
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CIN: U74999KA2018PTC117612

RAMAIAH
College of Arts, Science & Commerce

COURSE COMPLETION

CERTIFICATE

THIS CERTIFICATE IS PROUDLY PRESENTED TO

ABISHEK A

R2017604

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in association with **Aqmenz Automation Pvt. Ltd.** from 15.05.2023 to 18.05.2023

CERTIFICATE ISSUE NO: IN / **13684** / FY2023

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RAMAIAH
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COURSE COMPLETION
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ANUSHA BALASUBRAMANI

R2017609

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CERTIFICATE ISSUE NO: IN /   **13682**   / FY2023

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Aqmenz Automation Private Limited

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RAMAIAH
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COURSE COMPLETION

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SUNIL GOPE

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has successfully completed **Value Added Course** on **"Artificial Intelligence with Real-Time Applications"**

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CERTIFICATE ISSUE NO: IN / **13680** / FY2023

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Bangalore 560 032

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Mr Mohammed Azhar Hussain
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कौशल भारत-कुशल भारत

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Aqmenz Automation Private Limited

CIN: U74999KA2018PTC117612

RAMAIAH
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SUYASH SUMANT

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CERTIFICATE ISSUE NO: IN / **13678** / FY2023

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AMUDHA S

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CERTIFICATE ISSUE NO: IN / **13676** / FY2023

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Mr Mohan V S
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Aqmenz Automation Private Limited

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RAMAIAH
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COURSE COMPLETION CERTIFICATE

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THOMAS P KURIAN

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Student of **Department of Computer Science, MS Ramaiah College of Arts, Science and Commerce, Bengaluru**

has successfully completed **Value Added Course** on **"Artificial Intelligence with Real-Time Applications"**

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CERTIFICATE ISSUE NO: IN / **13674** / FY2023

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RAMAIAH
College of Arts, Science & Commerce

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POOJA R

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CERTIFICATE ISSUE NO: IN / **13672** / FY2023

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Mr Mohan V S
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RAMAIAH College of Arts, Science & Commerce

COURSE COMPLETION
CERTIFICATE

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KEERTHI T R

R2017627

Student of **Department of Computer Science, MS Ramaiah College of Arts, Science and Commerce, Bengaluru**

has successfully completed **Value Added Course** on **"Artificial Intelligence with Real-Time Applications"**

in association with **Aqmenz Automation Pvt. Ltd.** from 15.05.2023 to 18.05.2023

CERTIFICATE ISSUE NO: IN /   **13670**   / FY2023

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Mr Mohammed Azhar Hussain
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सूक्ष्म, लघु एवं मध्यम उद्यम

MAKE IN INDIA

Mr Mohan V S
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Aqmenz Automation Private Limited

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RAMAIAH
College of Arts, Science & Commerce

COURSE COMPLETION
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YATHY SURESH

R2017679

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has successfully completed **Value Added Course** on **"Artificial Intelligence with Real-Time Applications"**

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CERTIFICATE ISSUE NO: IN / **13668** / FY2023

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MAKE IN INDIA

Mr Mohan V S
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Aqmenz Automation Private Limited

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RAMAIAH
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COURSE COMPLETION

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PRATIK NAYAK

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has successfully completed **Value Added Course** on **"Artificial Intelligence with Real-Time Applications"**

in association with **Aqmenz Automation Pvt. Ltd.** from 15.05.2023 to 18.05.2023

CERTIFICATE ISSUE NO: IN / **13666** / FY2023

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Mr Mohan V S
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RAMAIAH
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MOHAMMED NIHAL PK

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CERTIFICATE ISSUE NO: IN / **13664** / FY2023

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Mr Mohan V S
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RITHIK K

R2017649

tudent of **Department of Computer Science, MS Ramaiah College of Arts, Science and Commerce, Bengaluru**

has successfully completed **Value Added Course** on **"Artificial Intelligence with Real-Time Applications"**

in association with **Aqmenz Automation Pvt. Ltd.** from 15.05.2023 to 18.05.2023

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Chief Executive Officer (CEO),
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Bengaluru - 560032

Aqmenz Automation Private Limited

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R2017639

Student of **Department of Computer Science, MS Ramaiah College of Arts, Science and Commerce, Bengaluru**

has successfully completed **Value Added Course** on **"Artificial Intelligence with Real-Time Applications"**

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About The College

Ramaiah College of Arts, Science and Commerce was established in 1994 by our founder Late Dr. M S Ramaiah offering both under graduate and post graduate degrees offered by Bengaluru Central University approved by AICTE, New Delhi, recognized by the Government of Karnataka. The college is also recognized by UGC under 2f and 12b of UGC Act 1956, re-accredited "A" grade by NAAC and has ranked 55th in the NIRF ranking and 1st among the best colleges of Karnataka

About The Department

The Computer Science Department of RCASC aims to educate students in the science and practice of IT. The emphasis is on hands on practical training of software development.. The program enables the student to be updated on the latest revolution on technology and equips the students with the required skills and knowledge to assimilate into the industry at ease.

Objective & Outcome of the Program

Objective To build a career and demonstrate the knowledge of common AI and machine learning workloads—and what Azure services can solve for them.

Outcome: Prepare data for use by an Azure Machine Learning Studio experiment • Train a machine learning model in Azure • Deploy a model , • Prepare data for use by an Azure Machine Learning Workbench experiment • Train a machine learning model in Azure Machine Learning Workbench • Deploy a model trained in Azure Machine Learning Workbench to make predictions

Event Coordinator

Suma C, Asst. Professor, MSRCASC

Patrons

Dr. M R Jayaram Chairman, GEF
Sri M R Janakiram Director, GEF
Sri M R Kodandaram Director, GEF
Sri B S Ramprasad Chief Executive GEF(E & GS)
Sri G Ramachandra Chief of Finance GEF(E &GS

Organizing Committee

Dr A Nagarathna Principal, RCASC.
Dr Prathiba V Kalburgi, HOD
Mrs Haripriya G S, Assistant professor
Mrs Suma C Assistant Professor
Mr Lakshmipathi V Assistant Professor
Mrs R Srividya, Assistant Professor
Mrs Dhanashree Vaishali, Asst. Professor
Mrs Shilpa Nayak Asst. Professor
Mrs Savitri K Asst. Professor

Resource Person

Atul Sharma,M/s ATS InfoTech Pvt Ltd Microsoft-AEP(Authorized Education Partner)

Course Outline

- Introduction to AI
- Azure AI Fundamentals
- Machine Learning
- Computer Vision
- Natural Language Processing:
- Conversational AI

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**Value Added Course
on
Microsoft certified Azure AI Fundamentals**

14/06/2022 to 19/06/2022

Venue : Online
Registration link:
https://forms.gle/gzZTrVPHQCPaueC46
Meeting link : https://meet.google.com/oku-ushz-vju

Organized by
Computer Science Department

M S Ramaiah College of Arts, Science & Commerce, Bangalore-54

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M S Ramaiah College of Arts, Science and Commerce
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Recognized by UGC under 2f & 12B of UGC act 1956

nirf (National Institutional Ranking Framework, Ministry of Education, Govt of India)
Ranked 62nd in NIRF India Ranking by MHRD, New Delhi
DBT Star College Scheme

Ref: MSRCASC/CSc/22-23/003

Date: 07/6/2022

CIRCULAR

Department of Computer Science

The Department is conducting a Value Added course on "AZURE AI Fundamentals" for the BCA students from 14th June to 19th June 2022. The resource person is Mr Atul Sharma from M/s ATS InfoTech Pvt. Ltd, Microsoft–AEP (Authorized Education Partner). Students can enroll their names to Mrs. Suma.

Head **HOD** Department Of Computer Science
M. S. Ramaiah College Of
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MSRIT Post, Bangalore - 560 054

Principal
Principal,
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Ranked 55ᵗʰ in NIRF India Ranking by MHRD, New Delhi
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Department of Computer science

Value added course

Title: Microsoft certified Azure AI Fundamentals

Date: 14/06/2022 to 19/06/2022

Venue: Online

Participants: III Year BCA students

Resource Person: Atul Sharma, M/s ATS InfoTech Pvt Ltd Microsoft-AEP(Authorized Education Partner)

No of Students: 24

Event Co-ordinator: Suma C

Objective: To build a career and demonstrate the knowledge of common AI and machine learning workloads—and what Azure services can solve for them.

On the first day the resource person gave insight about learning azure AI. The course is designed to give you a comprehensive understanding of the Azure AI services and tools that Microsoft provides for building intelligent applications. The course covers the fundamentals of AI, including machine learning, deep learning, and natural language processing. Will learn how to use Azure AI services to build intelligent solutions that can process, analyze, and interpret large amounts of data to help you make informed business decisions.

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He said that mastering the basics in AI can help students jump-start their career and to 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, students can build solutions, improve apps and advance technology in many fields, including healthcare, financial management, and environmental protection, to name just a few. They will also also gain hands-on experience with Azure AI tools such as Azure Machine Learning, Cognitive Services, and Bot Service. You'll learn how to create and deploy machine learning models, build chatbots, and use pre-built APIs for vision, speech, and language processing. He said the purpose of The AI-900: Microsoft Azure AI Fundamentals exam is designed for candidates who want to demonstrate their foundational knowledge of artificial intelligence and its applications. The exam measures the following skills:

Understanding of AI workloads and considerations: This module provides an overview of AI and its applications, including machine learning, deep learning, and natural language processing Ability to describe fundamental principles of machine learning on Azure.
Understanding of features of computer vision workloads on Azure It covers the basics of Azure AI services, including Azure Cognitive Services, Az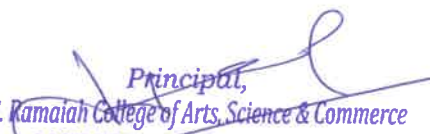ure Machine Learning, and Azure Bot Service Ability to describe features of Natural Language Processing (NLP) workloads on Azure Understanding of features of conversational AI workloads on Azure.
The exam consists of 40-60 multiple-choice questions and will have 60 minutes to complete it.

The resource person said that The Microsoft Certified: Azure AI Fundamentals certification could be a great fit for students if they would like to:Prove that they have the AI skills it takes to build a better world. Getting Azure AI Fundamentals certification can supply the foundation they need to build their career and demonstrate knowledge of common AI and machine learning workloads— and what Azure services can solve for them. It also Validates the foundational knowledge of machine learning and AI concepts, along with related Azure services. The students learnt the Fundamental concepts for Artificial Intelligence. They also gained knowledge about the concepts on AI workloads, fundamental principles of machine learning on Azure, features of computer vision workloads on Azure. The had insight on Natural Language Processing (NLP), features of conversational AI workloads on Azure. They were given hands on lab to visualize things like how to use Azure Machine Learning to train and deploy models, as well as manage the ML lifecycle (MLOps). The department conducted entry level test which was MCQ and in that test 24 students qualified for attending the course. Microsoft conducted test at the end of the course in which 8 had qualified and certificates were issued to them.
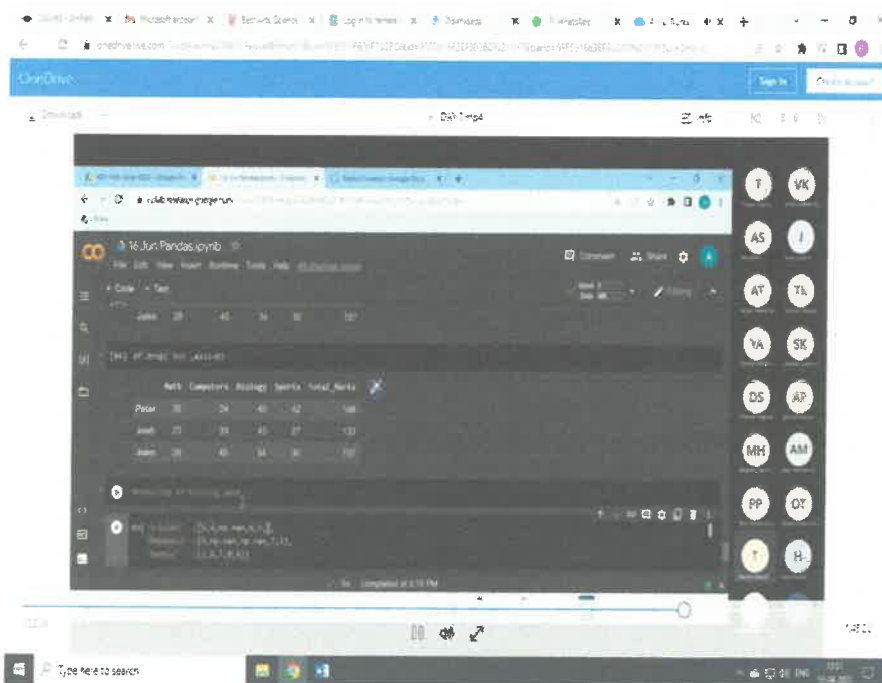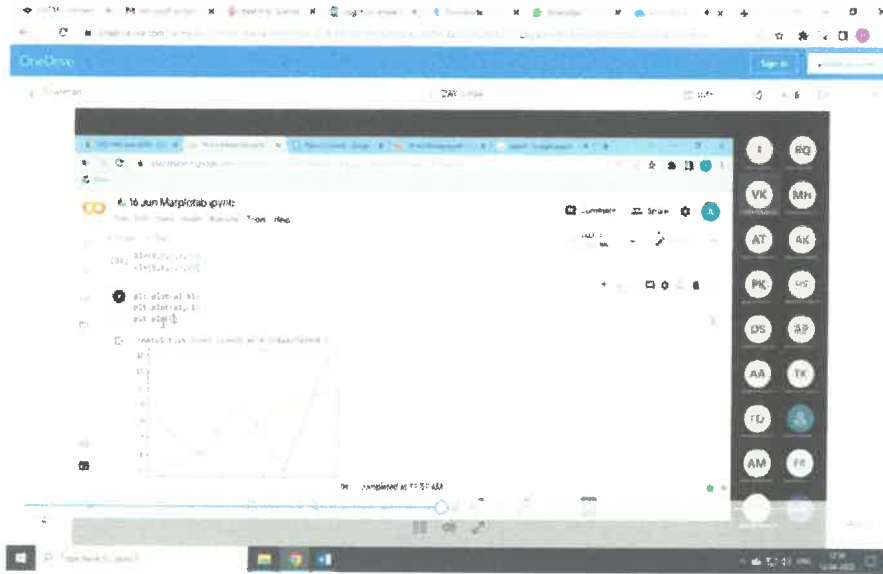
Couse Outcomes • Prepare data for use by an Azure Machine Learning Studio experiment • Train a machine learning model in Azure Machine Learning Studio • Deploy a model trained in Azure Machine • Prepare data for use by an Azure Machine Learning Workbench experiment • Train a machine learning model in Azure Machine Learning Workbench • Deploy a model trained in Azure Machine Learning Workbench to make predictions

Title: **Microsoft certified Azure AI Fundamentals**

Date: 14/06/2022 to 19/06/2022

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Ranked 55ᵗʰ in NIRF India Ranking by MHRD, New Delhi
DBT Star College Scheme

Department: BCA

Name of the Program: Microsoft certified Azure AI Fundamentals

Year: 2022-23

Assessment procedure for value added course: Microsoft certified Azure AI Fundamentals

Objective: To build a career and demonstrate the knowledge of common AI and machine learning workloads—and what Azure services can solve for them.

The Department of computer science had organized value added course from 14/06/2022 to 19/06/2022 for BCA students. Total of 78 students had participated in this course. The course duration was 30 hours.

The certificates were given to all the participants after successfully completion of the course by assessing their knowledge gained during this course. The gained knowledge was assessed with the help of MCQ's.

Assessment procedure:

Criteria	Marks
MCQ	20
Attendance	10
Practicals	10
Total	40

Outcome: build solutions, improve apps and advance technology in many fields, including healthcare, financial management, and environmental protection

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1.The principle that describes raising awareness of the limitations of responsible AI-based solutions is called: _____ .

a)Privacy and security
b) Reliability and safety
c) Transparency
d) Accountability

2.You plan to use machine learning to predict how ill dogs become based on their age and body fat percentage.

The model should include _____ .

a) two features and one label
b) two labels and one feature
c) three labels
d) three features

3.What are two capabilities of the Azure Computer Vision service?

a)Class prediction
b) Model training
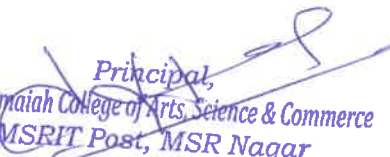c)Model authoring

d). Data visualization
f)Data exploration

4. To train a machine learning model to detect company logos in images.

a)Azure Custom Vision image classification
Bb)Azure Custom Vision object detection
c)Azure Face Service
d). Language Understanding Intelligent Service (LUIS)

5. To train a machine learning model to detect company logos in images.

a)Azure Custom Vision image classification
b) Azure Custom Vision object detection
c) Azure Face Serviced
d). Language Understanding Intelligent Service (LUIS)

6. To identify users based on their voice.

Which Azure Speech service feature should you use?

a)Conversation transcription

b) Pronunciation assessment
c) Language Understanding Intelligent Service (LUIS)
d) Speaker recognition

7. Which type of artificial intelligence workload uses sensors to proactively alert users about potential equipment mechanical failures?

a) Anomaly detection
b) Computer vision
c) Natural language processing
d) Conversational AI

8.What is a use case for classification?

a) predicting how many cups of coffee a person will drink based on how many hours the person slept the previous night.
b) analyzing the contents of images and grouping images that have similar colors
c) predicting whether someone uses a bicycle to travel to work based on the distance from home to work
d) predicting how many minutes it will take someone to run a race based on past race tim

9. Which AI service can you use to interpret the meaning of a user input such as "Call me back later?"

a) Translator Text
b) Speech
c) Text Analytics
d) Language Understanding (LUIS)

10. You are designing an AI system that empowers everyone, including people who have hearing, visual, and other impairments. This is an example of which Microsoft guiding principle for responsible AI?
a) fairness
b) inclusiveness
c) reliability and safety
d) accountability

11. Which two components can you drag onto a canvas in Azure Machine Learning designer? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.
a) dataset
b) compute
c) pipeline
d) module

12. You have a dataset that contains information about taxi journeys that occurred during a given period. You need to train a model to predict the fare of a taxi journey. What should you use as a feature?
a) the number of taxi journeys in the dataset
b) the trip distance of individual taxi journeys
c) the fare of individual taxi journeys

d) the trip ID of individual taxi journeys

13. Which AI service should you use to create a bot from a frequently asked questions (FAQ) document?
a) Speech
b) Language Understanding (LUIS)
c) Text Analytics
d) QnA Maker

14. You have a frequently asked questions (FAQ) PDF file. You need to create a conversational support system based on the FAQ. Which service should you use?
a) QnA Maker
b) Text Analytics
c) Computer Vision
d) Language Understanding (LUIS)

15. Which metric can you use to evaluate a classification model?
a) root mean squared error (RMSE)
b) mean absolute error (MAE)
c) coefficient of determination (R2)
d) true positive rate

16. Which two of these sources can you translate from one language into another?
a) Image
b) Handwriting
c) Text
d) Video
e) Speech

17. What are two tasks that can be performed by using computer vision?

a) Predict stock prices.
b) Detect brands in an image.
c) Detect the color scheme in an image
d) Translate text between languages.
e) Extract key phrases.

18. What are the four types of entities that you can create during the authoring of the LUIS Application?

A. Machine-Learned
B. List
C. FAQ document
D. RegEx
E. Chit-chat
F. Pattern.any
G. Alternative phrasing

19, What are the main features and capabilities of Azure Machine Learning?

A. Anomaly Detection
B. Pipelines
C. Object Detection
D. Automated machine learning
E. Azure Machine Learning designer
F. Text Analytics
G. Data and compute management

20. When you are creating a Clustering Model, what common ML algorithm are you using?

A. Multiclass Logistic Regression
B. K-means
C. Linear Regression
D. Two-Class Neural Network
E. Decision Forest Regression

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RAMAIAH
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Department of Computer science

value added course: Microsoft certified Azure AI Fundamentals

14/06/2022 to 19/06/2022

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Amudha S

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Satya Nadella
Chief Executive Officer

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M S Ramaiah College of Arts, Science and Commerce
Re-accredited 'A' by NAAC, Permanently Affiliated to Bengaluru City University.
Approved by Government of Karnataka, Approved by AICTE, New Delhi.
Recognized by UGC under 2f & 12B of UGC act 1956

nirf (National Institutional Ranking Framework, Ministry of Education, Govt of India)
Ranked 55* in NIRF India Ranking by MHRD, New Delhi
DBT Star College Scheme

Ref: MSRCASC/CSc/22-23/005

Date: 14/11/2022

CIRCULAR

Department of Computer Science

The Department is conducting a Value Added course on "Cyber Security and Ethical Hacking" for the final year BCA students from 16th November 2022. The resource person is Mr. Suhas Mallikarjuna, Certified Security Analyst from MATEX. The event coordinator is Mrs. Shaik Valli Haseena.

HOD 2022
Head Of The Department Of Computer Science.
M. S. Ramaiah College Of
Arts Science And Commerce
MSRIT Post, Bangalore - 560 054

Principal
Principal,
A.S. Ramaiah College of Arts, Science & Commer.
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MSRIT Post   +91 80 2360 6905   www.msrcasc.edu.in
Bangalore 560 054   +91 80 2360 6213

About The College

M S Ramaiah College of Arts, Science and Commerce was established in 1994 by our founder Late Dr. M S Ramaiah offering both under graduate and post graduate degrees offered by Bengaluru Central University approved by AICTE, New Delhi, recognized by the Government of Karnataka. The college is also recognized by UGC under 2f and 12b of UGC Act 1956, re-accredited "A" grade by NAAC and has ranked 55th in a NIRF ranking and 1st among the best colleges of Karnataka

About The Department

The Computer Science department of MSRCASC aims to educate students in the science and practice of IT. The emphasis is on hands-on practical training of software development. The curriculum prepares students for a career in the fast lane of software development and programming. The program enables the student to be updated on the latest revolution in technology and equips the students with the required skills and knowledge to assimilate into the industry at ease. The department has achieved 11th position in "India Today Ranking"

Objectives and Outcome of the course

Objective: To give a awareness about cybersecurity and ethical hacking.
Outcome: Learnt about ethical hacking ways and security threats.

Patrons

Dr. M R Jayaram Chairman, GEF
Sri M R Janakiram Director, GEF
Sri M R Kodandaram Director, GEF
Sri B S Ramprasad Chief Executive GEF(E & GS)
Sri G Ramachandra Chief of Finance GEF(E &GS)

Organizing Committee

Dr Vatsala G , Principal, MSRCASC.
Dr Prathiba V Kalburgi, Associate Prof & HOD
Mrs Suma Assistant Professor
Mr Lakshmipathi V Assistant Professor
Mrs R Srividya, Assistant Professor
Mrs Dhanashree Vaishali, Asst. Professor
Mrs.Shilpa Nayak, Asst.Professor
Dr. Poornima D, Asst.Professor

Event Coordinators

Mrs. Shaik Valli Haseena, Assistant professor
Mrs. Haripriya G S, Assistant Professor

Course Outline

- Cybersecurity classifications
- Types of hacking with examples
- Tracking location
- Fake links creation
- Phisher attack
- Wireshark
- Ddos attack

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VALUE ADDED COURSE ON CYBER SECURITY AND ETHICAL HACKING

16/11/2022 to 3/12/2022

Venue : Computer Lab

Resource Persons

MR. SUHAS MALLIKARJUNA,
CERTIFIED SECURITY ANALYST,
MATEX

Organized by
Computer Science Department
M S Ramaiah College of Arts, Science & Commerce, Bangalore-54

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Bangalore - 560 054

Department of Computer science

Value Added Course

Title: Cyber Security and Ethical Hacking

Date:16ᵗʰ November to3ʳᵈDecember 2022

Venue: Computer Lab

Participants: III Year BCA students

Resource Person: Mr. Suhas Mallikarjuna,Certified Security Analyst, MATEX

No of Students: 80

Event coordinator: Shaik Valli Haseena, Haripriya G

Objective: To give an awareness about cybersecurity and ethical hacking.: Plan a vulnerability assessment and penetration test for a network.

Course Outline –

> ➢ Cybersecurity Fundamentals

> ➢ Windows Security

> ➢ Introduction to Kali

> ➢ Basic Networking Protocols

> ➢ Windows Security

> ➢ Phishing Tools

Valiala·y

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A Ten Days Value added course on Cyber Security and Ethical Hacking was handled for V Year BCA students by the resource person Mr. Suhas Mallikarjuna,Certified Security Analyst, MATEX, Bangalore,alumnion 16.11.2022 to 03.12.2022 at Department of Computer Science, MS Ramaiah College of Arts Science and Commerce.

According to the Forbes report cyber security market is expected to grow up to $170 Billion within 2020. With around 20% rise in job opportunities in the field of cyber security. MNCs like Accenture, Juniper, Cisco, TCS, Wipro, and Cognizant have invested huge amount in building up a team of cyber security professionals. This course on ethical hacking focuses strictly on how black hat hackers can gain access to critical and sensitive information of individual and organizations. Understanding in depth how to counter the attacks from black hat hackers the course demonstrates live hacking to spread awareness among individuals. In this workshop the resource person demonstrate how hackers can hack into smart phone, website hacking and admin panel bypass, undetectable virus which can steal data, ransomware development and safety measures, social media hacks and many more.

The ten days session covered the following Ethical Hacking questions: (i) How Do the users Know If the Transactions that they Do Are Safe or Not? (ii) What If someone is monitoring the users Gmail Accounts? What are the users going to Do Then? Have the users ever thought About It? The Students were benefited from the course in the following ways: (i) Firstly, the course gave student an insight of the Ethical Hacking i.e. compromise of email hacking DOS attacks SQL Injection etc. (ii) Hands-on session along with Theory sessions step by step (iii) This also provided the resource person own Ethical Hacking Toolkit and , which consists of all the Tools and Techniques covered in the course (iv) Students got to practise tools in lab sessions on windows security (v) They got an idea about Kali (vi) About phishing tools they had experienced who it works.

This course was for ten days with three hours' session each day, in a total of thirty hours properly divided into theory and hand on practical sessions. At the end of this course a competition was organized among the participating students where each participating student was given Certificate of Participation and the Winners will get Certificate of Merit.

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Course outcome: Learnt about ethical hacking ways and security threats. It helpsstudents to get a high-paying opportunity in the Cybersecurity industry. The program has been designed a collaboration with MATEX to provide the best learning outcome to the students.

Photos : Value Added Course on Ethical Hacking and Cyber Security
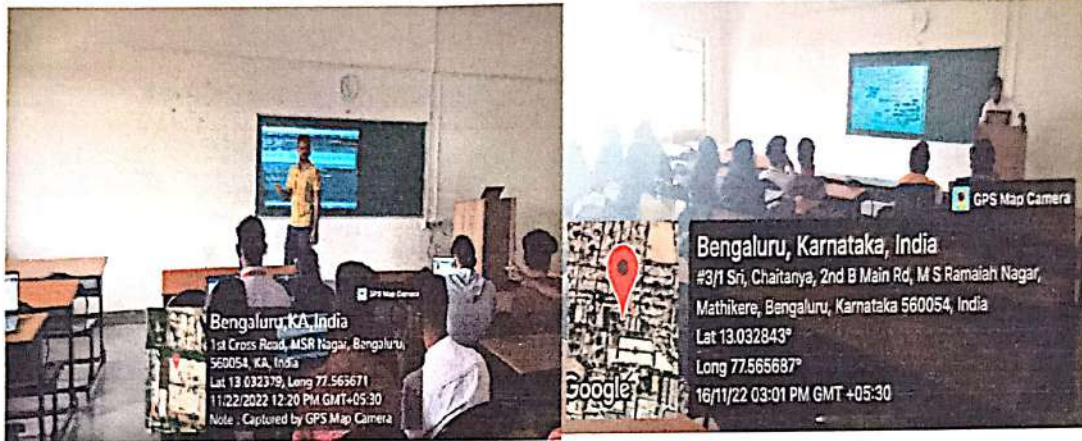
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Department: BCA

Name of the Program: CYBER SECURITY AND ETHICAL HACKING

Year: 2022-23

Assessment procedure for value added course: CYBER SECURITY AND ETHICAL HACKING

Objective:

To give an awareness about cybersecurity and ethical hacking.: Plan a vulnerability assessment and penetration test for a network.

The Department of computer science had organized value added course from Matex for BCA students. Total of 80 students had participated in this course. The course duration was 30 hours.

The certificates were given to all the participants after successfully completion of the course by assessing their knowledge gained during this course. The gained knowledge was assessed with the help of MCQ's.

Assessment procedure:

Criteria	Marks
MCQ	20
Attendance	10
Practicals	10
Total	40

Outcome: Learnt about ethical hacking ways and security threats and hands on experience for phishing tools and windows security checks.

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Name of the Program: CYBER SECURITY AND ETHICAL HACKING

MCQ's

1. Firewall is to protect against_____ *

A. Virus Attacks
B. Fire Attacks
C. Unauthorized Attacks
D. Data Driven Attacks

2. The computer virus is _____ *

A. Morris Worm
B. Creeper
C. ILOVEYOU
D. Stuxnet

3. Which of the following is considered as the unsolicited commercial email? *

A. Virus
B. Malware
C. Spam
D. All of the above

4. Firewall is a type of_____ *

A. Virus
B. Security Threat
C. Worm
D. None of the above

5. Which of the following is a key function of firewall? *

A. Copying
B. Moving
C. Monitoring

6. Below which one is monitor user activity on internet and transmit that information on the background to someone? *

A. malware
B. Spyware
C. adware
D. None of the Above

7. Like a virus, it is a self-replicating program it also propagates through computer network*

A. Phishing Scam
B. worm
C. Spyware
D. Cracker

8. Which of the following is not an external threat to a computer or a computer network*

A. Ignorance
B. Trojan Horses
C. Adware
D. crackers

9. What is a Trojan Horse? *

A. are hacker programs that do not show up on the system
B. are legitimate programs that allow unauthorized access
C. really do not usually work
D. usually are immediately discovered

10. Which one of the following is a type of anti-virus program? *

A. Quick heal
B. Mcafee
C. Kaspersky
D. all of the above

11. Which of the following tool is used for Wi-Fi hacking? *

A. nessus
B. Snort
C. Wireshark
D. Aircrack-ng

12. Which operating system is used by ethical hackers? *

A. windows
B. IOS
C. Linux
D. Sontoku

13. What was the name of the first anti-virus software? *

A. reaper
B. creaper
C. tinkered
D. repair

14. Which of the following is not an information source over the internet for target attackers? *

A. YouTube
B. Whois

C. Nslookup
D. Archive Sites

15. IP stands for _____ *

A. internet protocol
B. information protocol
C. internet password
D. internal protocol

16. Cyberattacks is any offensive maneuver that targets? *

A. Computer Information Systems
B. Infrastructures
C. Computer networks
D. all of the above

17. Which factor is a measure of the actual damage achieved by an attack? *

A. Cyberwarfare
B. Spectacularity
C. Vulnerability
D. All of the above

18. Which is not a valid scanning method? *

A. Null scan
B. Cloud Scan
C. SYN Scan
D. Xmas Tree Scan

19. We should turn on _____ to protect our computer from hacker. *

A. VLC
B. Script
C. Antivirus
D. Firewall

20. In which of the following, a person is constantly followed/chased by another person or group of several peoples? *

A. Phishing

B. Bulling

C. Stalking

D. Identity theft

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DEPARTMENT OF COMPUTER SCIENCE
Value added Course on "Cyber Security and Ethical Hacking"

Attendance Sheet from 16th November 2022 onwards

SL NO	REGISTER NOS	NAME	16|11	17|11	20|11	22|11	23|11	24|11	28|11	29|11	30|11	1|12		
1	R2017601	KESAVAN S	1	2	3	4	A	4	5	6	7	8		Kesavan
2	R2017602	ABHISHEK A	0	0	1	1	2	3	4	5	6	7		Abhishek A
3	R2017603	ABHISHEK A PAREKAR	0	0	1	1	2	3	3	4	5	6		Abs
4	R2017604	ABHISHEK.A.	1	1	2	3	4	4	5	5	6	6		Abishek
5	R2017605	AKASH S	0	0	1	1	2	3	4	5	6	7		Ak
6	R2017606	ALOK N	1	1	1	1	2	3	4	5	6	7		Alok
7	R2017607	AMAN BARIK	1	2	3	4	5	5	6	7	8	8		
8	R2017608	AMUDHA S	1	2	2	3	4	4	5	6	7	7		
9	R2017609	ANUSHA BALASUBRAMANI	1	2	3	4	5	5	6	7	7	8		
10	R2017610	AVRANIL PATRA	1	2	3	4	5	5	5	6	7	7		Avra
11	R2017611	B S ANSHU	1	2	3	4	5	5	6	6	7	7		Anshu
12	R2017612	B YATHIN PRASAD	0	1	2	3	4	4	5	6	7	8		Yatha
13	R2017613	BHOOMIKA S	0	1	2	3	4	5	6	6	7	8		Boom
14	R2017614	BHUMIKA PADALIYA	1	2	3	4	4	5	6	7	7	8		Bhika
15	R2017615	C. ELDO RUFUS	1	2	2	3	4	4	5	6	7	8		
16	R2017616	CHAITHANYA S	0	1	2	3	4	4	5	6	7	8		chay
17	R2017617	FUHAID SANEEN T C	1	2	3	4	5	5	6	7	8	9		futah
18	R2017618	GADAMSETTY ESWAR	1	2	3	4	5	6	6	7	8	8		Eshwar
19	R2017619	GAURAV CHAUHAN	0	1	2	3	4	4	5	6	7	8		
20	R2017620	GORANTLA YESHASWINI	1	2	3	3	3	4	5	6	7	8		Yesh
21	R2017621	HARSH	1	2	2	3	4	4	5	6	7	8		
22	R2017623	HEMA ATHOTA	1	2	3	4	5	6	7	8	9	10		Hema
23	R2017624	HEMANSHI BHATT	1	2	3	4	5	6	7	8	9	10		Hemanshi

Vatsala.y

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24	R2017625	INDERDEEP SINGH	1	1	2	3	3	4	5	6	7	8			
25	R2017626	JASON MARTIN DSOUZA	1	2	3	4	5	5	6	7	7	8			
26	R2017627	KEERTHI T R	1	2	3	4	5	6	7	8	9	10			
27	R2017628	KIRAN RAJ	1	2	2	3	4	4	5	6	7	8			
28	R2017630	MANJU MURTHY K	0	1	2	3	3	3	4	5	6	7			
29	R2017631	MOHAMMED NIHAL P K	0	0	1	2	3	4	5	6	7	7			
30	R2017632	MOHAMMED SAHIL	1	2	3	4	5	6	7	8	9	9			
31	R2017633	MONAZIR KHAN	1	2	3	4	5	5	6	7	8	8			
32	R2017634	N.M.HASHIKA NAMBURI	1	2	2	3	4	5	6	7	8	9			
33	R2017635	NAGENDRA N	1	2	3	4	5	6	7	8	9	10			
34	R2017636	NAVEEN E	1	2	2	3	4	5	6	7	8	9			
35	R2017637	NISHANTH N V	0	1	2	3	4	4	5	6	7	8			
36	R2017638	P PERSI PRISCILLA	1	2	2	3	4	5	6	7	8	9			
37	R2017639	PEER ABDUL BASIT	0	0	1	2	3	4	5	6	7	8			
38	R2017640	POOJA R	0	1	2	3	4	4	5	6	7	7			
39	R2017641	PRAJWAL KUMAR K S	0	1	2	3	4	5	6	7	8	8			
40	R2017642	PRATIK NAYAK	1	2	2	3	4	4	5	6	7	8			
41	R2017643	PRATIK PUNJ	1	2	3	4	4	5	6	6	7	7			
42	R2017644	R V VENKAT NATH	1	2	3	4	5	6	7	8	9	10			
43	R2017645	RAHUL C	0	0	1	2	3	4	5	6	7	8			
44	R2017646	RAHUL RAJ	0	0	1	2	3	3	4	5	6	7			
45	R2017647	RAVI KIRAN B	1	2	3	4	5	5	6	7	8	9			
46	R2017648	RAVI S	1	2	3	4	5	5	6	7	8	8			
47	R2017649	RITHIK K	1	2	3	4	5	6	6	6	7	8			
48	R2017650	ROHAN A	1	2	3	4	4	5	5	6	7	8			
49	R2017651	ROSHNI M	1	2	3	4	5	6	7	8	9	10			
50	R2017652	RUSHABH MOHAN BHOR	1	2	3	4	5	6	7	8	9	10			
51	R2017653	SADHANA S	0	1	2	3	3	4	5	6	7	8			
52	R2017654	SAI KIRAN V R	0	1	2	3	3	4	5	6	7	8			
53	R2017655	SALMAN PASHA S	0	0	1	2	3	4	4	5	6	7			
54	R2017656	SALMAN UMER	0	0	0	1	2	3	4	5	6	7			
55	R2017657	SANDEEP KUMAR M	0	1	1	2	3	3	4	5	6	7			
56	R2017658	SANJAY KUMAR K	1	2	3	4	5	6	7	8	9	10			

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Sl No	Reg No	Name													Signature
57	R2017659	SANKET S KULKARNI	1	2	3	3	4	4	5	6	7	8			
58	R2017660	SHALINI M	1	2	2	3	4	5	6	6	7	7			Shalini M
59	R2017661	SHEELA B	1	2	3	4	5	6	7	8	9	10			Sheela B
60	R2017662	SHILPA V	1	2	3	4	5	5	6	7	8	9			
61	R2017663	SHREEHARI K	1	2	3	4	5	6	7	8	9	10			
62	R2017664	SONIA SARAH S	1	2	3	4	5	5	6	7	8	9			
63	R2017665	SOWMYA SHREE G S	1	2	3	4	5	6	7	8	9	10			Sowmya
64	R2017666	SUBHASH S BHARADWAJ	0	0	1	2	3	3	4	5	6	7			
65	R2017667	SUNIL GOPE	1	2	3	4	5	6	7	8	9	10			Gope
66	R2017668	SUPRIYA G R	1	2	3	4	4	5	6	7	8	9			Supriya
67	R2017669	SUYASH SUMANT	0	1	2	3	4	4	4	5	6	7			
68	R2017670	TEJAS VIDYADHAR KULKARNI	1	2	3	4	5	6	6	7	8	9			Teja
69	R2017671	THOMAS P KURIAN	1	2	3	4	5	6	7	8	9	10			Thomas P K
70	R2017672	TUSHAR POKAR	0	1	2	3	4	4	5	6	7	8			Tushar
71	R2017673	UJWAL R	0	0	1	2	3	4	5	6	7	8			Ujwal
72	R2017674	VIGNESH B S	1	2	3	4	5	6	7	8	9	10			Vignesh
73	R2017675	VIGNESH LOKESH P G	1	2	3	4	5	5	6	7	8	9			
74	R2017676	VIKRANT VIR	0	1	2	3	4	5	6	7	8	9			
75	R2017677	VINDHYA V R	1	2	3	4	5	6	7	8	9	10			Vindhya V.R
76	R2017678	VINUTHA Y N	1	2	3	4	5	6	7	8	9	10			Vinu
77	R2017679	YATHY SURESH	1	2	3	4	5	6	7	8	9	10			Yathy
78	R2017680	YESHASWINI G	1	2	3	4	5	6	7	8	9	10			Yeshaswini

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CERTIFICATE

OF COMPLETION

Proudly Awarded To :

P PERSI PRISCILLA

Has successfully completed "CYBER SECURITY AND ETHICAL HACKING" **value added course conducted at** " MS RAMAIAH COLLEGE OF ARTS SCIENCE AND COMMERCE" **by the** "DEPARTMENT OF COMPUTER SCIENCE" **in the month of November 2022.**

SUHAS MALLIKARJUNA
MANAGING DIRECTOR,
MATEX

Dr. PRATHIBA V KALBURGI
HEAD,
DEPARTMENT OF COMPUTER SCIENCE

Dr. VATSALA G
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RUSHABH MOHAN BHOR

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ROSHNI M

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VIGNESH B S

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KESAVAN S

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