

10 YEARS  
OF UNIVERSITY  
RECOGNITION  
20 YEARS OF  
ACADEMIC  
EXCELLENCE



REVA  
UNIVERSITY

Bengaluru, India



# Value Added Courses

Rukmini Knowledge Park,  
Kattigenahalli, Yelahanka, Bengaluru - 560 064

[www.reva.edu.in](http://www.reva.edu.in)



**REVA**  
UNIVERSITY

Bengaluru, India

Established by GoK & recognised by UGC Act, 1956, as per the section 2(f).  
Approved by AICTE, COA and BCI, New Delhi. Accredited by NAAC.



**School of Mechanical Engineering**  
**In Association with University Industry Interaction Center (UIIC)**  
**Organises a**

**4 Days Skill Development Program for First Year Mechanical Engineering Students on**  
**Real-World Application Projects with Coding**

**Training Partner: Aqmenz Automation Pvt. Ltd. Bengaluru**

**Date : 28<sup>th</sup> to 31<sup>st</sup> March, 2022**

**Time : 8:30 A. M. to 4:30 P. M.**

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**School of Mechanical Engineering**  
**Skill Development Course 2021-22**  
**Program: B.Tech Mechanical Engineering**  
**Semester: 1<sup>st</sup> ME, MH**

**Training Partner: Aqmenz Automation Pvt Ltd Bangalore**  
**Course Name: Real-World Application Projects with Coding**

**Course Objectives:**

1. To Introduce the Real-World Application Projects
2. To Learn the basic concept of Programming
3. To Learn Interfacing Hardware & Software
4. To solve the Real-World Industry Application Projects

**Topic-1: Introduction to importance of Automation in Real-World**

Importance of Coding Software Installation & working Application Fields requires coding  
Importance of Automation in Real-World Conventional Methods vs Coding Solution Methods  
Application Fields: Agriculture, Medical, Consumer Electronics, and so on. Input Devices:  
switches, sensors, Gauges, etc. Output Devices: Motors, Actuators, Indicators, etc., Connecting  
Inputs & Outputs Reading inputs using Coding Controlling Outputs using Coding.

**Topic -2: Introduction to Controller & Pin Details**

Basics of Coding, Data types Type Casting in Coding Introduction to Controller & Pin Details  
Project1: Data Acquisition from Sensor Project2: Analysing Recorded values from Sensors  
Operators used in Decision Making Single condition, Biconditional & Multiconditional Control  
Statements in Coding Project3: Sensor-based Motor Pump control in Agri Field Peripherals  
interfaces

### **Topic -3: Functions related to ADC**



ADC interfacing & Coding ADC Settings & Calibration Methods Project4: Light Intensity Control using ADC Project5: Pressure Control Use case using ADC Different Functions related to ADC, Different storage classes & Memory usage Project6: Motion based Light Control Application Project7: Vehicle Counter in Parking Area Applications of Timers & Counter in Coding.

### **Topic – 4: Application Projects**

Human Health Condition testing, Car Parking Automation Project, Self-Driving Car Use Case & Coding Solution, SCARA Robot Kinematics Problem solving using Coding Graphical user interface(GUI) Development using Tkinter Library, Simple calculator Application using Tkinter Project10: Cylindrical Robot Kinematics conversion Project using GUI

# Resource Persons for Real World Applications Projects with Coding



<b>Mentors List</b>						
<b>Mentor No.</b>	<b>Photo</b>	<b>Name</b>	<b>Contact no</b>	<b>E_mail</b>	<b>Designation</b>	<b>Field of expertise</b>
1		Mohan V S	9743396604	info@indoskill.in	CEO	SPM, Product Design, Industrial Automation and Robotics
2		Mohammed Azhar Hussain	9738802359	cto@indoskill.in	CTO	Industrial Automation, Robotics, Embedded Systems, Python and Deep Learning

**REVA UNIVERSITY**  
**SCHOOL OF MECHANICAL ENGINEERING**  
**SKILL DEVELOPMENT ACTIVITIES FOR FIRST SEMESTER STUDENTS**  
**STUDENTS DETAILS**

**Course Name: Real-World Application Projects with Coding**

**Dates: 28.03.2022 to 31.03.2022**

**Timings: 8:30 am to 4.30 pm**

S.No	Application No	NAME OF STUDENT	Sem & Sec
1	2110610	POOJA	1C
2	2109888	AAKHIL A	1C
3	2110035	ABHISHEK	1C
4	2110293	ADITYA CHAURASIA	1C
5	2109730	ADITYA S SUKANAR	1C
6	2110244	AMOGH M	1C
7	2100059437	ARYAN SINHA	1C
8	2110452	CHANDANA S V	1C
9	2109911	CHEZHAN KUMAR A L	1C
10	21040928814	FAUZAN HAYATH	1C
11	2110232	GIRISH M P	1C
12	2110050	HACHOLI BASAVANA GOUDA	1C
13	21040928763	KOMALESHWAR R	1C
14	21040928892	LAVANYA A V	1C
15	2110499	M SANTHOSH	1C
16	2110369	MANOHAR V R	1C
17	2110534	MANOJ KUMAR N K	1C
18	21040928863	MOHAMMED YUSUF KHAN	1C
19	2110498	N KOWSHIK	1C
20	21040928861	PUNEETH B RAJ	1C
21	21010519642	R JAI SURYA	1C
22	2109483	ROHAN HALLI	1C
23	2110170	SAAD AHMED	1C
24	2109424	SAI GAGAN N	1C
25	2110372	SATHYAN GOWDA	1C
26	2110352	SHARAN REDDY P	1C
27	2109848	SHASHANK YADAV	1C
28	2110501	SHREETHAM A	1C
29	21040928028	SUDEEP B	1C
30	2110451	VARALAKSHMI M	1C
31	21040927019	HARSHA N	1C
32	2110382	GANESH K P	1C
33	21040928948	AADIL AKRAM YALGAR	1C
34	2111472	SHASHANK K	1C
35	22050129214	SACHIN J	1C

Coordinator

Director, ME

**REVA UNIVERSITY**  
**SCHOOL OF MECHANICAL ENGINEERING**  
**SKILL DEVELOPMENT ACTIVITIES FOR FIRST SEMESTER STUDENTS**

**1st Sem C Section Students Attendance**

**Course Name: Real-World Application Projects with Coding**

**Dates: 28.03.2022 to 31.03.2022**

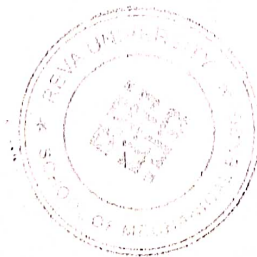
**Timings: 8:30 am to 4.30**

S.No	Application No	NAME OF STUDENT	Sem & Sec	Dates		28.03.2022		29.03.2022		30.03.2022		31.03.2022	
				MS	AS	MS	AS	MS	AS	MS	AS		
1	2109888	AAKHIL A	1C	P	P	P	P	P	P	P	P	P	P
2	2110035	ABHISHEK	1C	P	P	P	P	P	P	P	P	P	P
3	2110293	ADITYA CHAURASIA	1C	A	A	A	A	A	A	A	A	A	A
4	2109730	ADITYA S SUKANAR	1C	A	A	A	A	A	A	A	A	A	A
5	2110244	AMOGH M	1C	P	P	P	P	P	P	P	P	P	P
6	2100059437	ARYAN SINHA	1C	A	A	A	A	A	A	A	A	A	A
7	2110452	CHANDANA S V	1C	P	P	P	P	P	P	A	P	P	P
8	2109911	CHETHAN KUMAR A L	1C	P	P	P	P	P	P	P	P	P	P
9	2.1041E+10	FAUZAN HAYATH	1C	A	A	A	A	A	A	A	A	A	A
10	2110232	GIRISH M P	1C	P	P	P	P	P	P	A	P	P	P
11	2110050	HACHOLI BASAVANA GOUDA	1C	A	P	P	P	P	P	P	P	P	P
12	2.1041E+10	KOMALESHWAR R	1C	P	P	P	P	P	P	A	P	P	P
13	2.1041E+10	LAVANYA A V	1C	P	P	P	P	P	P	P	P	P	P
14	2110499	M SANTHOSH	1C	P	P	P	P	P	P	P	P	P	P
15	2110369	MANOHAR V R	1C	P	P	P	P	P	P	P	P	P	P
16	2110534	MANOJ KUMAR N K	1C	P	P	P	P	P	P	P	P	P	P
17	2.1041E+10	MOHAMMED YUSUF KHAN	1C	P	A	P	P	P	P	P	P	P	P
18	2110498	N KOWSHIK	1C	P	P	P	P	P	P	A	P	P	P
19	2110610	POOJA	1C	P	P	P	P	P	A	P	P	P	P



S.No	Application No	NAME OF STUDENT	Sem & Sec	Dates							
				28.03.2022		29.03.2022		30.03.2022		31.03.2022	
				MS	AS	MS	AS	MS	AS	MS	AS
20	2.1041E+10	PUNEETH B RAJ	1C	P	P	P	P	P	P	P	P
21	2.1011E+10	R JAI SURYA	1C	P	P	P	P	P	P	P	P
22	2109483	ROHAN HALLI	1C	P	P	P	P	P	P	A	P
23	2110170	SAAD AHMED	1C	P	P	P	P	P	P	P	P
24	2109424	SAI GAGAN N	1C	P	P	P	P	P	P	P	P
25	2110372	SATHYAN GOWDA	1C	P	P	P	P	P	P	A	P
26	2110352	SHARAN REDDY P	1C	P	P	P	P	P	P	P	P
27	2109848	SHASHANK YADAV	1C	P	P	P	P	P	P	P	P
28	2110501	SHREETHAM A	1C	P	P	P	P	P	P	P	P
29	2.1041E+10	SUDEEP B	1C	A	A	A	A	A	A	A	A
30	2110451	VARALAKSHMI M	1C	P	P	P	P	P	P	.	P
31	2.1041E+10	HARSHA N	1C	P	P	P	P	P	P	P	P
32	2110382	GANESH K P	1C	P	P	P	P	P	P	P	P
33	2.1041E+10	AADIL AKRAM YALGAR	1C	A	A	A	A	A	A	A	A
34	2111472	SHASHANK K	1C	P	P	P	P	P	P	P	P
35	2.205E+10	SACHIN J	1C	P	P	P	P	P	P	P	P

*Prave*  
 31/03/2022  
 Coordinators *[Signature]*  
 31/03/2022



*[Signature]*  
 Director, ME  
 Director  
 School of Mechanical Engineering  
 REVA University  
 Rakmini Knowledge Park, Kattigenahalli  
 Yelahanka, Bangalore - 560 064





Aqmenz Automation  
Private Limited



THIS CERTIFICATE IS PROUDLY PRESENT TO

Pooja

Student of REVA University has successfully completed Skill Development Course on  
"Real-World Application Projects with Coding" in association with UIIC from 28.03.2022 to 31.03.2022.

CERTIFICATE ISSUE NO: AW / 8623 / FY2022

Mr Mohammed Azhar Hussain  
Chief Technology Officer (CTO),  
AQMENZ Automation Pvt. Ltd.,  
Bengaluru - 560032



[www.indoskill.in](http://www.indoskill.in)



Mr Mohan V S  
Chief Executive Officer (CEO),  
AQMENZ Automation Pvt. Ltd.,  
Bengaluru - 560032

## Report on “Real-World Application Projects with Coding”

**School:** Mechanical Engineering

**Semester:** I Sem C Section

**Date:** 28<sup>th</sup> to 31<sup>st</sup> March 2022

**Year:** 2022

The School of Mechanical Engineering has Organized Skill Development Program for enhancing the skill of the students on “Real-World Application Projects with Coding” from 28th to 31st March 2022. 29 students of 1st C Section Mechanical and Mechatronics Engineering Students were participated in the event.

### **ABOUT THE COMPANY:**

Aqmenz Automation Private Limited was incorporated on 15th October 2018. It is classified as a Non-Govt. company and is registered at Registrar of companies (RoC), Bangalore. It is founded by Mohan V S(CEO) and Mohammed Azhar Hussain (CTO), both have 10 years Industrial Experience in SPM (Special Purpose Machines), Product Design, Industrial Automation, Robotics and Embedded Systems.

Motto and Vision are to create awareness & training young generation to current and future jobs demand and also help to current and future jobs demands; meanwhile help the students and employees to meet the mandatory necessities of future human resources and skill demands. We are in the 4th industrial revolution. The technological revolution is catastrophic like never before, hence continues awareness for the up-gradation environment is much essential. Aqmenz Automation Pvt. Ltd. is working to help and enhance the potential of students and employees. So that future human resources will be very beneficial, purposeful and profitable to the nation.

### **Main The objective of this program is:**

- Get Introduced to Python Programming
- Learn the basic concept of Python Programming
- Learn Python Code porting to Microcontroller Board & Experience Real-time Output
- Get Hands-on Experience of Python Programming on Hardware Course

Outcomes:

**After completion of this course students are able to**

- Get real experience with Python Code porting to Hardware Microcontroller
- Solve 15 Industry related Hands-on Application Projects using Python & Microcontroller
- Describe briefly about Machine Learning
- Execute the python programs



### Mapping of Course Outcomes with Program Outcomes

Course Code	POS/COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
	CO1	√	√	√		√				√	√			√	√	
	CO2	√	√	√		√				√	√			√	√	
	CO3	√	√	√		√				√	√			√	√	
	CO4	√	√	√		√				√	√			√	√	

### PHOTOGRAPHS OF THE EVENT:



*Faculty Members*  
 05/04/2022  
 05/04/2022

*[Signature]*  
 Director, ME

School of Mechanical Engineering  
 REVA University  
 Rukmini Knowledge Park, Kattigenahalli  
 Yelahanka, Bengaluru - 560 064



Banner:

**10**  
YEARS OF  
UNIVERSITY  
RECOGNITION  
**20**  
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Pursuing  
EXCELLENCE

**REVA**  
**UNIVERSITY**  
Bengaluru, India

**School of Computer Science and Applications**  
*Organises a Skill Development Program on*  
**IoT Boot Camp**  
**II Semester MCA**  
**Date: 22<sup>nd</sup> to 26<sup>th</sup> September 2022**

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**Director**

**School of Computer Science and Applications**  
**Skill Development Program**  
**Minutes of the Meeting**  
**Academic Year : 2021 – 2022 (Even Semester)**

**Date:** 24/02/2022

**Venue:** Director Sir's Cabin

**Agenda:**

1. Syllabus for the SDP to be conducted for all the programs.
2. Discussion of various components such as number of hours required to complete the syllabus.
3. Conduction of exam date and venue for SDP course conducted.

**Outcome:**

Arrived with the list of courses for skill development program for the academic year.

S.NO	Date	Semester	Course	Program Name	Certification	Conducted by
1	25-04-2022 to 29-04-2022	II SEM	BCA A, B, C, D & E	HTML & CSS	Pearson certificate IT	EDQI
2	09-05-2022 to 13-05-2022	IV SEM	BCA A, B, C & D	Python Programming	Pearson certificate IT	EDQI
3	18-04-2022 to 22-04-2022	VI SEM	BCA A, B, C & D	Network Security	Pearson certificate IT	EDQI
4	16-05-2022 to 20-05-2022	IV SEM	B.Sc(H)	IoT Boot Camp	Ethical Byte Certificate	Ethical Byte
5	09-05-2022 to 13-05-2022	II SEM	B.Sc(Cyber) & B.Sc(H)	Ethical Hacking-Level-2	Ethical Byte Certificate	Ethical Byte
6	18-04-2022 to 22-04-2022	II SEM	B.Sc(M & A)	3 DS Max-Autodesk(ACU)	Autodesk	EDQI

7	23-05-2022 to 27-05-2022	II SEM	M.Sc- DS	IoT Boot Camp	Ethical Byte Certificate	Ethical Byte
8	22-09-2022 to 26-09-2022	II SEM	MCA	IoT Boot Camp	Ethical Byte Certificate	Ethical Byte

**Members Attended:**

1. Dr. S. Senthil, Director, School of CSA
2. Prof. Vijayalakshmi K, Academic Vertical Head(MCA & M.Sc(DS)), School of CSA
3. Prof. Lokesh, Academic Vertical Head(BCA), School of CSA
4. Dr. Sasikala, Academic Vertical Head(B.Sc(H)), School of CSA
5. Prof. Deepa B G, Academic Vertical Head(M&A & CS) & SDP Coordinator, School of CSA

**Trainers and Vendor details:**

1. Mr. Manoj, Resource person, Ethical Byte
2. Mr. Tousif, Resource person, Ethical Byte
3. Mr. Pradeep, Resource person, Ethical Byte
4. Mr. Pranav, Resource person, Ethical Byte
5. Joel Viegas, Resource person, EDQI
6. Mr. Ritesh, Resource person, EDQI
7. Mr. Ravi, Resource person, EDQI
8. Mr. Gokul, Resource person, EDQI
9. Mr. Ganesh, Resource person, EDQI
10. Mr. Manas, Resource person, EDQI
11. Mr. Mayur, Resource person, EDQI
12. Mr. Prajwal, Resource person, EDQI
13. Mr. Ayush Singh, Resource person, EDQI
14. Mr. Abhishek Dwivedi, Resource person, EDQI
15. Mr. Chopperla Nirmal Kumar, Resource person, EDQI
16. Mr. Sriram, Resource person, EDQI

S. Senthil  
24/2/2022  
Director  
School of CSA



## **School of Computer Science and Applications**

### **IoT Boot Camp**

#### **MCA Sem II - 2021-22**

##### **Content Details**

- 01: Introduction to Raspberry pi 3 and 4
- 02: Understanding the Raspberry Pi components
- 03: How to install Raspbian OS on Raspberry Pi 3 and 4
- 04: Introduction to C and Arduino
- 05: How to Set up the Home Screen
- 06: Raspberry Pi Sensors and Module Kits
- 07: Making Files and Navigating the File System
- 08: Introduction to the Shell
- 09: Introduction to Python Programming Language
- 10: How to Connect Raspberry Pi 3 and 4 to External Devices
- 12: How to write File Permissions and Arguments commands
- 13: How to Schedule Tasks to Run at Startup
- 14: Variables and Decision Making
- 15: Connecting sensors to home appliances
- 16: Node MCU Projects

**School of Computer Science and Applications**

**IoT Boot Camp**

**MCA Sem II - 2021-22**

Sl. No.	SRN	Candidate Name
1	R21DE001	Abhijit Kumar Singh
2	R21DE002	Akash L
3	R21DE003	Ankush parmeshwar akre
4	R21DE004	Aman singh
5	R21DE005	Amit kumar
6	R21DE006	Anandarupa Chakrabarti
7	R21DE007	Anisha Brahma
8	R21DE008	Anjali kumari
9	R21DE009	Ankit Kumar Shukla
10	R21DE010	ANKIT KUMAR SRIVASTAVA
11	R21DE011	Ankit Shekhar
12	R21DE012	Anupam Kumar Singh
13	R21DE013	Anurag Tiwari
14	R21DE014	Arnab Mallick
15	R21DE015	Asha M
16	R21DE016	Ashique P R
17	R21DE017	Ayushi Rani
18	R21DE018	Bhoomika N P
19	R21DE019	Bishnu shahu
20	R21DE020	C SWATHI
21	R21DE021	CHANDAN PAWAR MS
22	R21DE022	Chandana D
23	R21DE023	Chandrakala S
24	R21DE024	Chittari Tarun
25	R21DE025	Climacus Wilson
26	R21DE026	Dara Ganesh
27	R21DE027	DARSHAN R
28	R21DE028	Desul Dinesh R
29	R21DE029	Devi M
30	R21DE030	Dhananjaya G R



Sl. No.	SRN	Candidate Name
31	R21DE031	Diksha S
32	R21DE032	HARISHA S M
33	R21de033	Harshith gowda k n
34	R21DE034	Hemanth S J
35	R21DE035	Jadhav Darshan Baburao
36	R21DE036	Javed akhtar
37	R21DE037	Jillela Venkata subbareddy
38	R21DE038	K Girethimmappa Gari swetha
39	R21DE039	K. Karthik
40	R21DE040	KARETI JASWANTH
41	R21DE041	Karthik V Jain
42	R21DE042	Kushitha N
43	R21DE043	Lavanya N
44	R21DE044	Lohit Kumar pattnayak
45	R21DE045	M. Arshiya Khan
46	R21DE046	MANER AYAAN IBRAHIM
47	R21DE047	N ROHIT
48	R21DE048	Koushik HS
49	R21DE049	Faraz Mansoor Patvegar
50	R21DE050	Shivaprasd.M.Godi
51	R21DE051	SOREDDY RAKESH REDDY
52	R21DE052	G Navya sree
53	R21DE053	Kishor C
54	R21DE054	Komalapati pavan kumar
55	R21DE055	KOTHAKOTA SUDHARSHAN
56	R21DE056	M N Sai Jeevan
57	R21DE057	Manikeswari Prasad Singh
58	R21DE058	Manoj S
59	R21DE059	Mara Umesh Chandra
60	R21DE060	Mayana Ibrahim Khan
61	R21DE061	Md Mojahid
62	R21DE062	Mohammed Maanish
63	R21DE063	Monisha Reddy C
64	R21DE064	MUKKALA SUMANTH KALYAN
65	R21DE065	MUNIRAJU K
66	R21DE066	N Santhosh Kumar
67	R21DE067	Narendra k s
68	R21DE068	Navyashree M
69	R21DE069	Nayana.G.H
70	R21DE070	Nikhil L

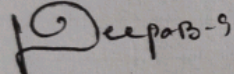
<b>Sl. No.</b>	<b>SRN</b>	<b>Candidate Name</b>
71	R21DE071	Nimmala susmitha
72	R21DE072	Parashuram B B
73	R21DE073	Paul Edison.M
74	R21DE074	PAVAN DB
75	R21DE075	Poorna Chandra G A
76	R21DE076	Pramod kiran h r
77	R21DE077	Prashant Patil
78	R21DE078	Rakshitha C
79	R21DE079	Ranjith Kumar A G
80	R21DE080	Redyam Sreekanth Reddy
81	R21DE081	Ritik Raj
82	R21DE082	Rupak kumar
83	R21DE083	Sandhya G
84	R21DE084	Sankpal Jayanth kumar Namdev
85	R21DE085	Satish R
86	R21DE086	Shreyash Kashyap
87	R21DE087	Shruti
88	R21DE088	Sinchana V Hiremath
89	R21DE089	S.Ruchitha
90	R21DE090	Sri vidhya
91	R21DE091	Sujnan s patil
92	R21DE092	Supriya M
93	R21DE093	Swaroop Gowda D
94	R21DE094	Swati Ray
95	R21DE095	Syed Majed Pasha
96	R21DE096	Syed Mousin
97	R21DE097	SYED SAMEER
98	R21De098	Thanikonda Sudheer Babu
99	R21DE099	Tushar Das
100	R21DE100	Ujjwal Kumar
101	R21DE101	VENKANNABABU S
102	R21DE102	Yogesh jadhav
103	R21DE103	Abhilash channappa mali
104	R21DE104	Adarsh S R
105	R21DE105	Adithya MD
106	R21DE106	Aishwarya channur
107	R21DE107	Akhil Ashok A
108	R21DE108	Akshatha B
109	R21DE109	Akshay G
110	R21DE110	AMIT R NAGARI

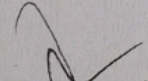
Sl. No.	SRN	Candidate Name
111	R21DE111	AMITH KULKARNI
112	R21DE112	Ankita Ishwara Naik
113	R21DE113	Anusha r k
114	R21DE114	Apoorva A Gosavi
115	R21DE115	Ashay H N
116	R21DE116	Bharat Hosalli
117	R21DE117	Bharath H S
118	R21DE118	Bhuvaneshwari
119	R21DE119	C Priyanka Shinde
120	R21DE120	Dharshini N
121	R21DE121	Dinesh KN
122	R21DE122	Doddavula Manjula
123	R21DE123	Gaurav Singh
124	R21DE124	Geethanjali.k
125	R21DE125	Hemanth Basavaraj A
126	R21DE126	Jeevan v
127	R21de127	Karthik BR
128	R21DE128	Kaverappa c p
129	R21DE129	Keerthan G S
130	R21DE130	Kushal D
131	R21DE131	Manohar A S
132	R21DE132	Manoj Kumar V
133	R21DE133	Mohamed Azhar T
134	R21DE134	Navaneetha V
135	R21DE135	Nikhil hr
136	R21DE136	Nikitha B
137	R21DE137	Nisha G A
138	R21DE138	Pallavi shetgar
139	R21DE139	Pavankumar
140	R21DE140	Pawan kalyan B
141	R21DE141	Prajna M K
142	R21DE142	Prateek kulkarni
143	R21DE143	Preejith E
144	R21DE144	Preethi S
145	R21DE145	Priyatosh Samal
146	R21DE146	RP NAYANA
147	R21DE147	Rahul Alure
148	R21DE148	Rakshitha JN
149	R21DE149	Ravichandra hallad
150	R21DE150	Ravikumar HM

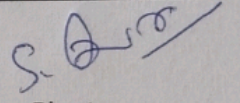
<b>Sl. No.</b>	<b>SRN</b>	<b>Candidate Name</b>
151	R21DE151	Richin Vijaydutt Kolvekar
152	R21DE152	ROHAN K P
153	R21DE153	Ruby Afreen
154	R21DE154	SBPALLAVI
155	R21DE155	Sachin BK
156	R21DE156	Sakshi DL
157	R21DE157	Santhosh K
158	R21DE158	Santhosh N
159	R21DE159	Santosh
160	R21DE160	Saqib Ali Khan
161	R21DE161	Shahul Hameed M H
162	R21DE162	Shashank M
163	R21DE163	Shobha K R
164	R21DE164	Shreya H S
165	R21DE165	Siddhant Gupta
166	R21DE166	SRINIVASA KN
167	R21DE167	Sumanth S
168	R21DE168	Swati Hebbar
169	R21DE169	Tejas G
170	R21DE170	Tejas k
171	R21DE171	varun kumar G
172	R21DE172	VIDYASAGAR K B
173	R21DE173	Vijay Kumar V
174	R21DE174	Vinutha K
175	R21DE175	Yashas S
176	R21DE176	Yogeshwar R M
177	R21DE177	Yuktha P P
178	R21DE178	Jinu p cherian
179	R21DE179	Prince Kumar
180	R21DE180	ABHISHEK KUMAR



39	R21DE039	K. Karthik	P	P	P	P	P	P	P	P	P
40	R21DE040	KARETI JASWANTH	P	P	P	P	P	P	P	P	P
41	R21DE041	Karthik V Jain	P	P	P	P	P	P	P	P	P
42	R21DE042	Kushitha N	P	P	P	P	P	P	P	A	P
43	R21DE043	Lavanya N	P	P	P	P	P	P	P	P	P
44	R21DE044	Lohit Kumar pattnayak	P	P	P	P	P	P	P	P	P
45	R21DE045	M. Arshiya Khan	P	P	P	P	P	P	P	P	P
46	R21DE046	MANER AYAAN IBRAHIM	P	P	P	P	P	P	P	A	P
47	R21DE047	N ROHIT	P	P	P	P	P	P	P	P	P
48	R21DE048	Koushik HS	P	P	P	P	P	P	P	P	P
49	R21DE049	Faraz Mansoor Patvegar	P	P	P	P	P	P	P	P	P
50	R21DE050	Shivaprasd.M.Godi	P	P	P	P	P	P	P	A	P
51	R21DE051	Abhijit Kumar Singh	P	P	P	P	P	P	P	P	P
52	R21DE052	Akash L	P	P	P	P	P	P	P	P	P
53	R21DE053	Ankush parmeshwar akre	P	P	P	P	P	P	P	P	P
54	R21DE054	Aman singh	P	P	P	P	P	P	P	A	P
55	R21DE055	Amit kumar	P	P	P	P	P	P	P	P	P
56	R21DE056	Anandarupa Chakrabarti	P	P	P	P	P	P	P	P	P
57	R21DE057	Anisha Brahma	P	P	P	P	P	P	P	P	P
58	R21DE058	Anjali kumari	P	P	P	P	P	P	P	A	P
59	R21DE059	Ankit Kumar Shukla	P	P	P	P	P	P	P	P	P
60	R21DE060	ANKIT KUMAR SRIVASTAVA	P	P	P	P	P	P	P	A	P

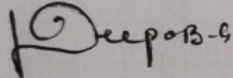
  
SDP Coordinator

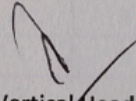
  
Vertical Head

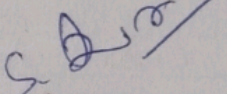
  
Director



39	R21DE099	Tushar Das	P	P	P	P	P	P	P	P
40	R21DE100	Ujjwal Kumar	P	P	P	P	P	P	P	P
41	R21DE101	VENKANNABABU S	P	P	P	P	P	P	A	P
42	R21DE102	Yogesh jadhav	P	P	P	P	P	P	P	P
43	R21DE103	Abhilash channappa mali	P	P	P	P	P	P	P	P
44	R21DE104	Adarsh S R	P	P	P	P	P	P	P	P
45	R21DE105	Adithya MD	P	P	P	P	P	P	A	P
46	R21DE106	Aishwarya channur	P	P	P	P	P	P	P	P
47	R21DE107	Akhil Ashok A	P	P	P	P	P	P	P	P
48	R21DE108	Akshatha B	P	P	P	P	P	P	P	P
49	R21DE109	Akshay G	P	P	P	P	P	P	P	P
50	R21DE110	AMIT R NAGARI	P	P	P	P	P	P	A	P
51	R21DE111	AMITH KULKARNI	P	P	P	P	P	P	P	P
52	R21DE112	Ankita Ishwara Naik	P	P	P	P	P	P	P	P
53	R21DE113	Anusha r k	P	P	P	P	P	P	P	P
54	R21DE114	Apoorva A Gosavi	P	P	P	P	P	P	A	P
55	R21DE115	Ashay H N	P	P	P	P	P	P	P	P
56	R21DE116	Bharat Hosalli	P	P	P	P	P	P	P	P
57	R21DE117	Bharath H S	P	P	P	P	P	P	P	P
58	R21DE118	Bhuvaneshwari	P	P	P	P	P	P	A	P
59	R21DE119	C Priyanka Shinde	P	P	P	P	P	P	P	P
60	R21DE120	Dharshini N	P	P	P	P	P	P	A	P

  
SDP Coordinator

  
Vertical Head

  
Director





39	R21DE159	Santosh	P	P	P	P	P	P	P	P
40	R21DE160	Saqib Ali Khan	P	P	P	P	P	P	P	P
41	R21DE161	Shahul Hameed M H	P	P	P	P	P	P	P	P
42	R21DE162	Shashank M	P	P	P	P	P	P	A	P
43	R21DE163	Shobha K R	P	P	P	P	P	P	P	P
44	R21DE164	Shreya H S	P	P	A	P	P	P	P	P
45	R21DE165	Siddhant Gupta	P	P	P	P	P	P	P	P
46	R21DE166	SRINIVASA KN	P	P	P	P	P	P	A	P
47	R21DE167	Sumanth S	P	P	P	P	P	P	P	P
48	R21DE168	Swati Hebbar	P	P	P	P	P	P	P	P
49	R21DE169	Tejas G	P	P	P	P	P	P	P	P
50	R21DE170	Tejas k	P	P	P	P	P	P	A	P
51	R21DE171	varun kumar G	P	P	P	A	P	P	P	P
52	R21DE172	VIDYASAGAR K B	P	P	P	P	P	P	P	P
53	R21DE173	Vijay Kumar V	P	P	P	P	P	P	P	P
54	R21DE174	Vinutha K	P	P	P	P	P	P	A	P
55	R21DE175	Yashas S	P	P	P	P	P	P	P	P
56	R21DE176	Yogeshwar R M	P	P	P	P	P	P	P	P
57	R21DE177	Yuktha P P	P	P	P	P	P	P	P	P
58	R21DE178	Jinu p cherian	P	P	P	P	P	P	A	P
59	R21DE179	Prince Kumar	P	P	P	P	P	P	P	P
60	R21DE180	ABHISHEK KUMAR	P	P	P	P	P	P	A	P

*Deepa B. S*  
SDP Coordinator

*[Signature]*  
Vertical Head

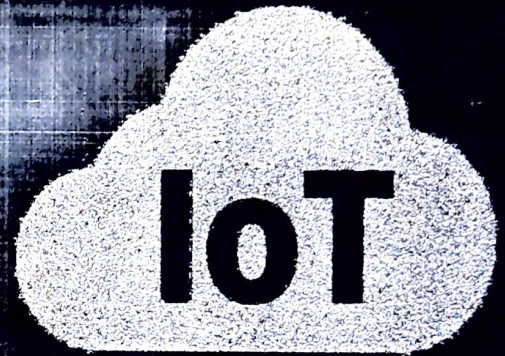
*[Signature]*  
Director

# CERTIFICATE OF ACHIEVEMENT

THIS IS TO RECOGNIZE

**Mr. BYTE**

Has been awarded this certificate for successfully completing the course  
**INTERNET OF THINGS**



CERTSAMPLE123

CERTIFICATE NUMBER



*Sunoy.kn*

SUNOJ KASHYAP  
DIRECTOR



**School of Computer Science and Applications**  
**Skill Development Program**  
**IoT Boot Camp**

Name	IoT Boot Camp
Audience	II MCA (A, B & C) sections
Date	22 <sup>nd</sup> to 26 <sup>th</sup> September, 2022
Timing	8:30 am to 4:30pm
Number of audience participated	180
Venue	Class Room -420, 421, 423
Resource person:	Mr. Manoj, Mr.Pradeep & Mr. Pranav
Vendor Name:	Ethical Byte
Event organizing Body	School of Computer Science and Applications in Association with UIIC cell, REVA University
SDP coordinator	Prof. Deepa B G

The objective of the program was to teach Internet of Things (IoT) & make the students to develop some working models / projects on their own.

IoT is a process of communicating effectively and securely with machines. In today's world more than 35+ billion devices are connected using IoT & it is speculated that by year 2030, the number is expected to increase up to 125 billion. There is a huge potential growth potential for this technology in various markets such as industrial appliances, defense sector, medical equipment, retail sector, agriculture sector, home appliances etc.

Ethical byte Trainer provided greater value to students by providing them not only the most updated courses but also preparing them is taking online assessment exam that empower students to face Interview confidently during placements drive. The trainer also taught the best practices and latest techniques & tricks in coding. They also learned architecture & protocols, Arduino & Raspberry Pi, Cooja simulator, IoT Cloud & Security.

The classes were conducted in the classrooms for 5 days (32 hours) and students had appeared for an assessment examination on the last day of the event. The outcome of the event was students learned how to develop projects such as , ESP Mesh Netowrk, Arduino Magnetic Board field testing Device , Arduino radar, Multi Robotic Concept , Security without Keypress, Process monitoring Device, IOT Quad Robot, Sorting Resistors the Lazy Way, Heart Rate Monitor

(Wearable and Wireless Using ECG), RFID and Keypad Based Door Lock Using Arduino, Flight Instruments for Horizon and Compass, Robot with the specific actions, Arduino Dice , Hourglass Using Arduino & Real time ECG on OLED Display

Pictures are attached below taken during the event which clearly shows the activeness of the Trainer and the attentiveness of the Students.

### **Topics Discussed:**

- 01: Introduction to Raspberry pi 3 and 4
- 02: Understanding the Raspberry Pi components
- 03: How to install Raspbian OS on Raspberry Pi 3 and 4
- 04: Introduction to C and Arduino
- 05: How to Set up the Home Screen
- 06: Raspberry Pi Sensors and Module Kits
- 07: Making Files and Navigating the File System
- 08: Introduction to the Shell
- 09: Introduction to Python Programming Language
- 10: How to Connect Raspberry Pi 3 and 4 to External Devices
- 12: How to write File Permissions and Arguments commands
- 13: How to Schedule Tasks to Run at Startup
- 14: Variables and Decision Making
- 15: Connecting sensors to home appliances
- 16: Node MCU Projects

### **OUTCOME:**

IoT has the capability to create public value and the intended public value dimensions have widened from the goal of improved efficiency. There has been a shift in value creation with other goals and outcomes such as effectiveness, transparency and collaboration gaining increased presence.

# Session Photos:





**REVA**  
**UNIVERSITY**

Bengaluru, India

Established by GoK & recognised by UGC Act, 1956, as per the section 2(f).  
Approved by AICTE, COA and BCI, New Delhi. Accredited by NAAC.

**10** YEARS  
OF UNIVERSITY  
RECOGNITION  
**20** YEARS OF  
ACADEMIC  
EXCELLENCE



**School of Computer Science and Applications**

**Organises a**

**IoT Boot Camp**

for  
IV B.Sc(H)

**Date : 16<sup>th</sup> to 20<sup>th</sup> May, 2022**

**[www.reva.edu.in](http://www.reva.edu.in)**

**School of Computer Science and Applications**

**Skill Development Program**

**Minutes of the Meeting**

**Academic Year : 2021 – 2022 (Even Semester)**

**Date:** 24/02/2022

**Venue:** Director Sir's Cabin

**Agenda:**

1. Syllabus for the SDP to be conducted for all the programs.
2. Discussion of various components such as number of hours required to complete the syllabus.
3. Conduction of exam date and venue for SDP course conducted.

**Outcome:**

Arrived with the list of courses for skill development program for the academic year.

S.NO	Date	Semester	Course	Program Name	Certification	Conducted by
1	25-04-2022 to 29-04-2022	II SEM	BCA A, B, C, D & E	HTML & CSS	Pearson certificate IT	EDQI
2	09-05-2022 to 13-05-2022	IV SEM	BCA A, B, C & D	Python Programming	Pearson certificate IT	EDQI
3	18-04-2022 to 22-04-2022	VI SEM	BCA A, B, C & D	Network Security	Pearson certificate IT	EDQI
4	16-05-2022 to 20-05-2022	IV SEM	B.Sc(H)	IoT Boot Camp	Ethical Byte Certificate	Ethical Byte
5	09-05-2022 to 13-05-2022	II SEM	B.Sc(Cyber) & B.Sc(H)	Ethical Hacking-Level-2	Ethical Byte Certificate	Ethical Byte
6	18-04-2022 to 22-04-2022	II SEM	B.Sc(M & A)	3 DS Max-Autodesk(ACU)	Autodesk	EDQI



7	23-05-2022 to 27-05-2022	II SEM	M.Sc- DS	IoT Boot Camp	Ethical Byte Certificate	Ethical Byte
8	22-09-2022 to 26-09-2022	II SEM	MCA	IoT Boot Camp	Ethical Byte Certificate	Ethical Byte

**Members Attended:**

1. Dr. S. Senthil, Director, School of CSA
2. Prof. Vijayalakshmi K, Academic Vertical Head(MCA & M.Sc(DS)), School of CSA
3. Prof. Lokesh, Academic Vertical Head(BCA), School of CSA
4. Dr. Sasikala, Academic Vertical Head(B.Sc(H)), School of CSA
5. Prof. Deepa B G, Academic Vertical Head(M&A & CS) & SDP Coordinator, School of CSA

**Trainers and Vendor details:**

1. Mr. Manoj, Resource person, Ethical Byte
2. Mr. Tousif, Resource person, Ethical Byte
3. Mr. Pradeep, Resource person, Ethical Byte
4. Mr. Pranav, Resource person, Ethical Byte
5. Joel Viegas, Resource person, EDQI
6. Mr. Ritesh, Resource person, EDQI
7. Mr. Ravi, Resource person, EDQI
8. Mr. Gokul, Resource person, EDQI
9. Mr. Ganesh, Resource person, EDQI
10. Mr. Manas, Resource person, EDQI
11. Mr. Mayur, Resource person, EDQI
12. Mr. Prajwal, Resource person, EDQI
13. Mr. Ayush Singh, Resource person, EDQI
14. Mr. Abhishek Dwivedi, Resource person, EDQI
15. Mr. Chopperla Nirmal Kumar, Resource person, EDQI
16. Mr. Sriram, Resource person, EDQI

S. Senthil  
24/2/2022  
Director  
School of CSA



## **School of Computer Science and Applications**

### **IoT Boot Camp**

#### **B.Sc(H) Sem IV - 2021-22**

#### **Content Details**

1. Introduction to Raspberry pi 3 and 4
2. Understanding the Raspberry Pi components
3. How to install Raspbian OS on Raspberry Pi 3 and 4
4. Introduction to C and Arduino
5. How to Set up the Home Screen
6. Raspberry Pi Sensors and Module Kits
7. Making Files and Navigating the File System
8. Introduction to the Shell
9. Introduction to Python Programming Language
10. How to Connect Raspberry Pi 3 and 4 to External Devices
11. How to write File Permissions and Arguments commands
12. How to Schedule Tasks to Run at Startup
13. Variables and Decision Making
14. Connecting sensors to home appliances
15. Node MCU Projects

**School of Computer Science and Applications**

**IoT Boot Camp**

**B.Sc(H) Sem VI - Student List - 2021-22**

Sl. No.	SRN	Candidate Name
1	R20BS001	ABHILASH K S
2	R20BS002	AISHWARYA M
3	R20BS003	ALAM SIVA PRASAD
4	R20BS004	AMRUTHA ARAVIL
5	R20BS005	ANNAMARIE SAVERIMUTHU
6	R20BS006	ARITRA MUKHERJEE
7	R20BS007	ARYAN PARIHAR
8	R20BS008	ASHWIN C
9	R20BS009	ATHARV SHUKLA
10	R20BS010	CH YASHWIN NIVAS REDDY
11	R20BS011	CHANDU T
12	R20BS012	DAN ZACHERIAH PETER
13	R20BS013	DEEKSHITH K R
14	R20BS014	DUVVOORI NAVEENKUMAR REDDY
15	R20BS015	EMILIN A X
16	R20BS016	GAJANAND
17	R20BS017	GANESH S
18	R20BS018	GAYATRI MURALI
19	R20BS019	HARSHITH P RAO
20	R20BS020	JASWANTH KUMAR K
21	R20BS021	JEEVAN R
22	R20BS023	KEERTHANA V
23	R20BS024	KEERTHI D M
24	R20BS025	KUMAR ABHISHEK
25	R20BS026	LAVANYA M
26	R20BS027	MAAZ AHMED KHAN

<b>Sl. No.</b>	<b>SRN</b>	<b>Candidate Name</b>
27	R20BS028	MOHAMED RAHMAN SHAREFF S
28	R20BS029	MONIKA B
29	R20BS030	NAVYA D R
30	R20BS032	P SHREYAS KUMAR
31	R20BS033	PRAJWAL R
32	R20BS034	PRAVEEN Y CHAKKADI
33	R20BS035	REEMA R
34	R20BS036	SAI KOWSHIK T J
35	R20BS037	SAI GANGA G
36	R20BS040	SHAKTHIVEL M
37	R20BS042	SONIYA CHAVAN
38	R20BS043	SRUJANA M C
39	R20BS044	TUSHAR BHARDWAJ
40	R20BS045	TUSHAR KASAUDHAN
41	R20BS046	VINEETH S NAIDU
42	R20BS047	YASHWANTH R
43	R20BS048	YATHISH N
44	R20BS049	DARSHAN S SHETTY
45	R20BS050	SWATHI P



Sl.No	SRN	Student Name	16.05.2022		17.05.2022		18.05.2022		19.05.2022		20.05.2022	
			Morning Session	Afternoon Session	Morning Session	Afternoon Session	Morning Session	Afternoon Session	Morning Session	Afternoon Session	Morning Session	Afternoon Session
22	R20BS023	KEERTHANA V	Keerthana	Keerthana	Keerthana	Keerthana	Keerthana	Keerthana		Keerthana	Keerthana	Keerthana
23	R20BS024	KEERTHI D M	Keerthi	AP	Keerthi	Keerthi	Keerthi	Keerthi	Keerthi	Keerthi	Keerthi	Keerthi
24	R20BS025	KUMAR ABHISHEK	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek	Abhishek
25	R20BS026	LAVANYA M	Lavanya	Lavanya	Lavanya	Lavanya	Lavanya	Lavanya	AB	Lavanya	Lavanya	Lavanya
26	R20BS028	MOHAMED RAHMAN SHAREFF S	Mohamed Rahman Shareff	Mohamed Rahman Shareff	Mohamed Rahman Shareff	Mohamed Rahman Shareff	Mohamed Rahman Shareff	Mohamed Rahman Shareff	Mohamed Rahman Shareff	Mohamed Rahman Shareff	Mohamed Rahman Shareff	Mohamed Rahman Shareff
27	R20BS029	MONIKA B	Monika	Monika	Monika	Monika	Monika	Monika	Monika	Monika	Monika	Monika
28	R20BS030	NAVYA D R	Navya	Navya	Navya	Navya	Navya	Navya	Navya	Navya	Navya	Navya
29	R20BS031	NISHANTH KUMAR S	Nishanth	Nishanth	Nishanth	Nishanth	Nishanth	Nishanth	Nishanth	Nishanth	Nishanth	Nishanth
30	R20BS032	P SHREYAS KUMAR	P Shreyas	P Shreyas	P Shreyas	P Shreyas	P Shreyas	P Shreyas	P Shreyas	P Shreyas	P Shreyas	P Shreyas
31	R20BS033	PRAJWAL R	Prajwal	Prajwal	Prajwal	Prajwal	Prajwal	Prajwal	Prajwal	Prajwal	Prajwal	Prajwal
32	R20BS034	PRAVEEN Y CHAKKADI	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen	Praveen
33	R20BS035	REEMA R	Reema	Reema	Reema	Reema	Reema	Reema	Reema	Reema	Reema	Reema
34	R20BS036	SAI KOWSHIK T J	Sai Kowshik	Sai Kowshik	Sai Kowshik	Sai Kowshik	Sai Kowshik	Sai Kowshik	Sai Kowshik	Sai Kowshik	Sai Kowshik	Sai Kowshik
35	R20BS037	SAI GANGA G	Sai Ganga	Sai Ganga	Sai Ganga	Sai Ganga	Sai Ganga	Sai Ganga	Sai Ganga	Sai Ganga	Sai Ganga	Sai Ganga
36	R20BS040	SHAKTHIVEL M	Shakthivel	Shakthivel	Shakthivel	Shakthivel	Shakthivel	Shakthivel	Shakthivel	Shakthivel	Shakthivel	Shakthivel
37	R20BS041	SIRASANAGANDLA TAGORE	Tagore	Tagore	Tagore	Tagore	Tagore	Tagore	Tagore	Tagore	Tagore	Tagore
38	R20BS042	SONIYA CHAVAN	Soniya	Soniya	Soniya	Soniya	Soniya	Soniya	Soniya	Soniya	Soniya	Soniya
39	R20BS043	SRUJANA M C	Srujana	Srujana	Srujana	Srujana	Srujana	Srujana	Srujana	Srujana	Srujana	Srujana
40	R20BS044	TUSHAR BHARDWAJ	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar
41	R20BS045	TUSHAR KASAUDHAN	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar	Tushar
42	R20BS046	VINEETH S NAIDU	Vineeth	Vineeth	Vineeth	Vineeth	Vineeth	Vineeth	Vineeth	Vineeth	Vineeth	Vineeth
43	R20BS048	YATHISH N	Yathish	Yathish	Yathish	Yathish	Yathish	Yathish	Yathish	Yathish	Yathish	Yathish
44	R20BS049	DARSHAN S SHETTY	Darshan	Darshan	Darshan	Darshan	Darshan	Darshan	Darshan	Darshan	Darshan	Darshan
45	R20BS050	SWATHI P	Swathi	Swathi	Swathi	Swathi	Swathi	Swathi	Swathi	Swathi	Swathi	Swathi

Dee p o s h  
SDP Coordinator

Academy  
Academic Vertical Head

Director

**SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS**

**IoT Boot Camp**

**BSC (Hons) Sem IV - Attendance Sheet 2021-2022**

Sl. No.	SRN	Candidate Name	16-05-2022		17-05-2022		18-05-2022		19-05-2022		20-05-2022	
			FN	AF	FN	AF	FN	AF	FN	AF	FN	AF
1	R20BS001	ABHILASH K S	P	P	P	P	P	P	P	P	P	P
2	R20BS002	AISHWARYA M	P	P	P	P	A	P	P	P	P	P
3	R20BS003	ALAM SIVA PRASAD	P	P	P	P	P	P	P	P	P	P
4	R20BS004	AMRUTHA ARAVIL	P	P	P	P	P	P	P	P	P	P
5	R20BS005	ANNAMARIE SAVERIMUTHU	P	P	P	P	P	P	P	P	P	A
6	R20BS006	ARITRA MUKHERJEE	P	P	P	P	P	P	P	P	P	P
7	R20BS007	ARYAN PARIHAR	P	P	P	P	P	P	P	P	A	P
8	R20BS008	ASHWIN C	P	P	P	P	P	P	P	P	P	P
9	R20BS009	ATHARV SHUKLA	P	P	P	P	P	P	P	P	P	P
10	R20BS010	CH YASHWIN NIVAS REDDY	P	P	P	P	P	P	P	P	P	P
11	R20BS011	CHANDU T	P	P	P	P	P	P	P	A	P	P
12	R20BS012	DAN ZACHERIAH PETER	P	P	P	P	P	A	P	P	P	P
13	R20BS013	DEEKSHITH K R	P	P	P	P	P	P	P	P	P	P
14	R20BS014	DUVVOORI NAVEENKUMAR RED	P	P	P	A	P	P	A	P	P	A
15	R20BS015	EMILIN A X	P	P	P	P	P	P	P	P	P	P
16	R20BS016	GAJANAND	P	P	P	P	P	P	P	P	P	P
17	R20BS017	GANESH S	P	P	P	P	P	P	A	P	P	P
18	R20BS018	GAYATRI MURALI	P	P	P	P	P	A	P	P	P	P
19	R20BS019	HARSHITH P RAO	P	P	P	P	P	P	P	P	P	A
20	R20BS020	JASWANTH KUMAR K	P	P	P	P	P	P	P	P	P	P
21	R20BS021	JEEVAN R	P	P	P	P	P	P	P	P	P	P
22	R20BS023	KEERTHANA V	P	P	A	P	P	P	P	P	P	P
23	R20BS024	KEERTHI D M	P	P	P	P	P	P	P	P	P	P
24	R20BS025	KUMAR ABHISHEK	P	P	P	P	P	P	P	P	P	P
25	R20BS026	LAVANYA M	P	P	P	P	P	P	P	P	P	A
26	R20BS027	MAAZ AHMED KHAN	P	P	P	P	P	P	P	P	P	P
27	R20BS028	MOHAMED RAHMAN SHAREFF S	P	P	P	P	P	P	P	P	P	P
28	R20BS029	MONIKA B	P	P	P	P	P	P	P	P	P	P
29	R20BS030	NAVYA D R	P	P	P	P	P	P	P	P	P	P
30	R20BS032	P SHREYAS KUMAR	P	P	P	P	P	P	P	P	P	P
31	R20BS033	PRAJWAL R	P	P	P	P	P	P	P	P	P	P
32	R20BS034	PRAVEEN Y CHAKKADI	P	P	P	P	P	P	P	P	P	P
33	R20BS035	REEMA R	P	P	P	P	P	P	P	P	P	P
34	R20BS036	SAI KOWSHIK T J	P	P	P	P	P	P	P	P	P	P
35	R20BS037	SAI GANGA G	P	P	P	P	P	P	P	P	P	P
36	R20BS040	SHAKTHIVEL M	P	P	P	P	P	P	P	P	P	P
37	R20BS042	SONIYA CHAVAN	P	P	P	P	P	P	P	P	P	P
38	R20BS043	SRUJANA M C	P	P	P	P	P	P	P	P	P	P
39	R20BS044	TUSHAR BHARDWAJ	P	P	P	P	P	P	P	P	P	P
40	R20BS045	TUSHAR KASAUDHAN	P	P	P	P	P	P	P	P	P	P
41	R20BS046	VINEETH S NAIDU	P	P	P	P	P	P	P	P	P	P
42	R20BS047	YASHWANTH R	P	P	P	P	P	P	P	P	P	P
43	R20BS048	YATHISH N	P	P	P	P	P	P	P	P	P	P
44	R20BS049	DARSHAN S SHETTY	P	P	P	P	P	P	P	P	P	P
45	R20BS050	SWATHI P	P	P	P	P	P	P	P	P	P	P

*Deepa B*  
SDP Coordinator

*Sairam*  
Academic Vertical Head

*S. D. S.*  
Director

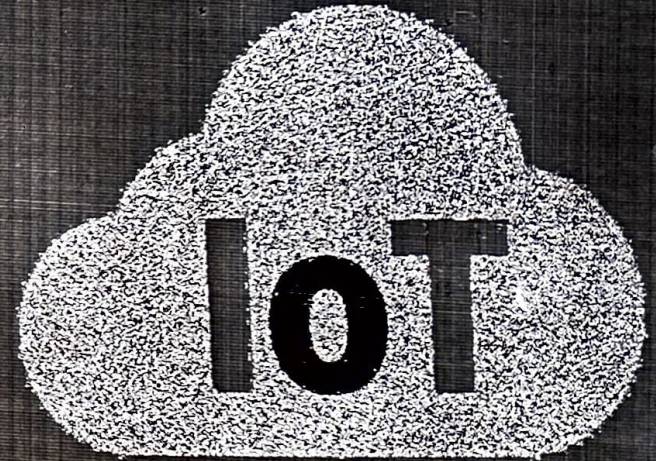
# CERTIFICATE OF ACHIEVEMENT

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THIS IS TO RECOGNIZE

**KUSHAL**

Has been awarded this certificate for successfully completing the course  
**INTERNET OF THINGS**



SAMPLE CERT123

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CERTIFICATE NUMBER



*Sunoj.kh*

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SUNOJ KASHYAP  
DIRECTOR



**School of Computer Science and Applications**  
**Skill Development Program**  
**IoT Boot Camp**

Name	IoT Boot Camp
Audience	4 <sup>th</sup> B.Sc(H)
Date	16 <sup>th</sup> to 20 <sup>th</sup> May , 2022
Timing	8:30 am to 4:30pm
Number of audience participated	48
Venue	Class Room -425
Resource person:	Mr. Manoj, Mr.Tousif.
Vendor Name:	Ethical Byte
Event organizing Body	School of Computer Science and Applications in Association with UIIC cell, REVA University
SDP coordinator	Prof. Deepa B G

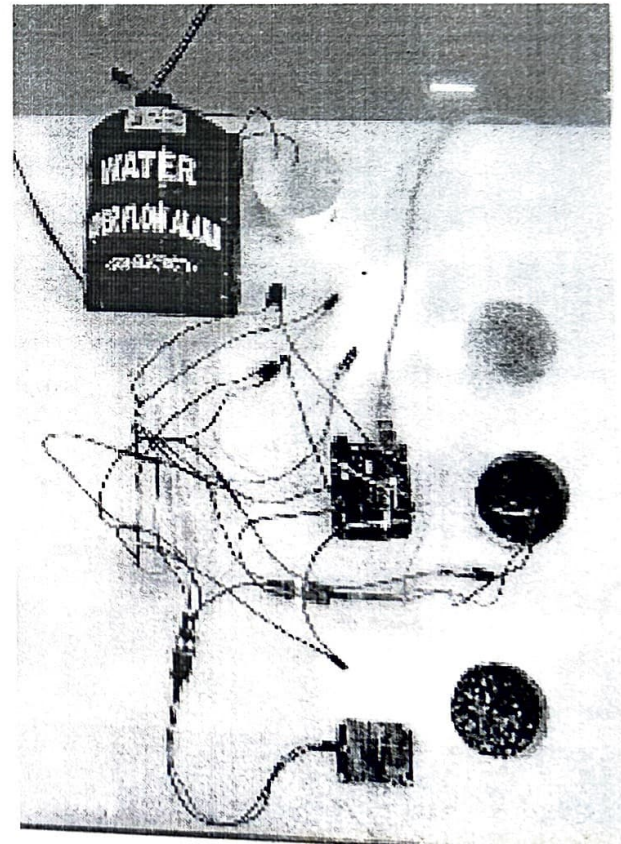
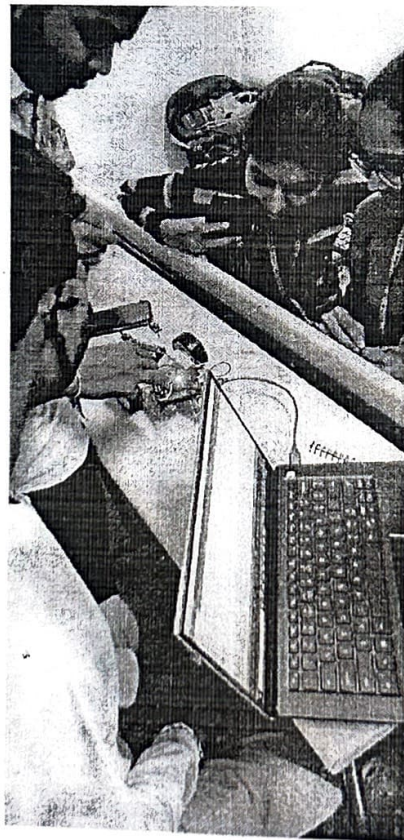
The objective of the program was to upgrade the students' Knowledge in Fundamentals of IoT , its architecture and its application , Arduino & Raspberry pi etc . Trainers provided greater value to students by providing them not only the most updated courses but also preparing them is taking a Global certification that empower students in the corporate world. The trainer also taught the best practices and latest techniques & tricks in coding. Highlight of the programs were self-developed projects. IoT is the important technology to learn as most corporates is looking for the certified candidates.

The classes were conducted in the regular classrooms for 5 days and students had appeared for Global examination on the last day of the event. The outcome of the event was students learned how to explain IoT Architecture, embedded system concepts, connectivity & networks in IoT,use Cup Carbon Simulator, perform data analytics in splunk.

Pictures are attached below taken during the event which clearly shows the activeness of the Trainer and the attentiveness of the Students.

DAY 4	11. How to write File Permissions and Arguments commands 12. How to Schedule Tasks to Run at Startup
DAY 5	13. Variables and Decision Making 14. Connecting sensors to home appliances 15. Node MCU Projects

### Session Photos:



# School of Computer Science and Engineering *in Association with UIIC*

Organises a  
**Skill Development Program on**

## Machine Learning Using Python

by

Tequed Labs, Ethical Byte, Orange Tech Solutions, Valuecom



**REVA UNIVERSITY**  
**School of Computer Science and Engineering**  
**SDP II Sem List Of**

		<b>ML using Python:</b>	<b>189</b>
<b>A Section</b>			
<b>Sl. No.</b>	<b>SRN</b>	<b>NAME</b>	<b>COURSE</b>
1	R21EF002	Adhikar Saha	ML using Python
2	R21EF007	CHALLA VENKATA SAI YUGANDHAR REDDY	ML using Python
3	R21EF012	Korrapati Haseerva	ML using Python
4	R21EF013	Lakshmi patil	ML using Python
5	R21EF014	M R Tejadithya	ML using Python
6	R21EF015	Manjunath r	ML using Python
7	R21EF017	Mukesh M Suthar	ML using Python
8	R21EF025	Piyush Sharma	ML using Python
9	R21EF030	Sangameshwar Hatti	ML using Python
10	R21EF034	Shrishaa Bysani Muralidhar	ML using Python
11	R21EF036	Irfan syed	ML using Python
12	R21EF037	VELAMURI VENKATESWARLU REDDY	ML using Python
13	R21EF041	Y.S.Vinod	ML using Python
14	R21EF104	Druva d.s	ML using Python
15	R21EF346	Aryaman Chakraborty	ML using Python
<b>B Section</b>			
16	R21EF044	Ankit Vats	ML using Python
17	R21EF045	Arudhra Chandrasekaran	ML using Python
18	R21EF046	Bachurakeshkumar	ML using Python
19	R21EF047	Deepak rathod.B	ML using Python
20	R21EF048	BODAPATI KOMAL	ML using Python
21	R21EF049	Akshai	ML using Python
22	R21EF050	C HARSHA VARDHAN REDDY	ML using Python
23	R21EF054	E.Bharath kumar	ML using Python
24	R21EF055	G.V.vinaya	ML using Python
25	R21EF063	Revanth Sathwik	ML using Python
26	R21EF068	Mahesh Y	ML using Python
27	R21EF069	Revanth. Mamidi	ML using Python
28	R21EF075	Poorvi Manvi	ML using Python
29	R21EF077	Samson Shaji George	ML using Python
30	R21EF082	SUJAY HR	ML using Python
31	R21EF085	Nivedita reddy	ML using Python
32	R21EF092	Varun. A	ML using Python
33	R21EF093	Vishnu ks	ML using Python
34	R21EF095	y.veeranaganjineyareddy	ML using Python
<b>C Section</b>			
35	R21EF139	Veginati Sunil Kumar	ML using Python
36	R21EF122	Pindiboyana Hari Krishna	ML using Python
37	R21EF107	Naga koushik	ML using Python
38	R21EF114	Lakkuri Pallavi	ML using Python
39	R21EF130	Sanvi S	ML using Python
40	R21EF100	C. Sruthi	ML using Python
41	R21EF108	Kadirimangalam dinesh	ML using Python
42	R21EF102	Dinesh.C	ML using Python
43	R21EF128	S Manoj kumar	ML using Python

15

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44	R21EF116	Sai kiran.M	ML using Python
45	R21EF112	Binith Srinivas	ML using Python
46	R21EF138	TUSHAR AMAN	ML using Python
47	R21EF110	K.Deva Harshini	ML using Python
48	R21EF145	Sandhya Reddy	ML using Python
49	R21EF146	yatham tejasri	ML using Python
50	R21EF142	Vijay Sri Manideep	ML using Python
51	R21EF113	Pujitha Karanam	ML using Python
52	R21EF141	Velugula Sai tarun	ML using Python
53	R21EF127	R.Meghana	ML using Python
54	R21EF147	yervasupriya@gmail.com	ML using Python
55	R21EF121	P Bhavitha	ML using Python
56	R21EF111	K Tejaswini	ML using Python
57	R21EF096	Ashwani Kumar	ML using Python
58	R21EF131	Saurabh kumar	ML using Python
59	R21EF120	Nagarjun.n	ML using Python

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**D Section**

60	R21EF150	ADARSH SURESH KUMAR MENON	ML using Python
61	R21EF152	ANISH.V ANISH.V	ML using Python
62	R21EF153	ANKITH K	ML using Python
63	R21EF154	ANSHUMAN H PATEL	ML using Python
64	R21EF155	APOORV MATHUR	ML using Python
65	R21EF156	CHALUKYA NAYAKA	ML using Python
66	R21EF165	HRISHIKESH NAIK	ML using Python
67	R21EF166	IRUGU SUNIL	ML using Python
68	R21EF176	MANISH TIWARY	ML using Python
69	R21EF178	LOKESH M	ML using Python
70	R21EF180	G NIKHIL RAJU	ML using Python
71	R21EF184	RITVIK GIRISH	ML using Python
72	R21EF185	S V VIVEK REDDY	ML using Python
73	R21EF186	SACHIN METI	ML using Python
74	R21EF188	SHAIK JUBEDHA	ML using Python
75	R21EF189	SHAIK MOHAMMED ALTAF	ML using Python
76	R21EF190	SHAIK MOHAMMED SULEMAN	ML using Python
77	R21EF192	SHANKAR EMANI	ML using Python
78	R21EF195	SUMAIR NOORBASHA	ML using Python
79	R21EF196	SUMEET .	ML using Python
80	R21EF199	VIKAS P J	ML using Python
81	R21EF200	VIKAS VALLURU	ML using Python
82	R21EF201	VINEETH B	ML using Python
83	R21EF349	SANDEEP Y	ML using Python
84	R21EF356	MALATESH HOSAMANE	ML using Python
85	R21EF197	TUSHAR S	ML using Python

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**E Section**

86	R21EF202	ABDULLAH MOHAMMED ZAID	ML using Python
87	R21EF203	ABHIJEET RATHOD	ML using Python
88	R21EF204	AJITH.	ML using Python
89	R21EF205	AKSHAYA G R	ML using Python
90	R21EF207	Anusha P Hullathi	ML using Python
91	R21EF208	ARVINDH B V	ML using Python

92	R21EF209	ATIK NISAR ALGUR	ML using Python
93	R21EF211	B VIKRANTH REDDY	ML using Python
94	R21EF212	CHANDRA PRAKASH NAIDU K R	ML using Python
95	R21EF213	CHINMAY	ML using Python
96	R21EF215	DIVYA K N	ML using Python
97	R21EF216	DIVYA L	ML using Python
98	R21EF218	Gayatri Edigar	ML using Python
99	R21EF220	GODHA R GARUDA	ML using Python
100	R21EF221	GUNASHREE S	ML using Python
101	R21EF222	HANAMANT S WADDAR	ML using Python
102	R21EF223	Harish H	ML using Python
103	R21EF224	HARSHA M	ML using Python
104	R21EF227	Jaswanth KM	ML using Python
105	R21EF228	JATHIN S	ML using Python
106	R21EF229	K GAYATHRI	ML using Python
107	R21EF230	KUMARSWAMY S	ML using Python
108	R21EF233	MADAN REDDY P R	ML using Python
109	R21EF234	Mamatha P	ML using Python
110	R21EF235	MANJUNATHA A	ML using Python
111	R21EF236	Mayur Shashikiran Mutalikdesai	ML using Python
112	R21EF237	NAGESHA R	ML using Python
113	R21EF238	NIKHIL A V	ML using Python
114	R21EF240	NITHEESHWAR B R	ML using Python
115	R21EF241	P N Mohith Reddy	ML using Python
116	R21EF242	PAVAN B N	ML using Python
117	R21EF243	PAVAN KALYAN L	ML using Python
118	R21EF244	PAVAN KUMAR K R	ML using Python
119	R21EF245	Pooja	ML using Python
120	R21EF246	POOJASHREE	ML using Python
121	R21EF247	PRATIK K	ML using Python
122	R21EF249	PRIYA T	ML using Python
123	R21EF250	RAHUL B N	ML using Python
124	R21EF254	RAMESH	ML using Python
125	R21EF255	S ANISH	ML using Python
126	R21EF257	Sahana Karishetti	ML using Python
127	R21EF259	SANJANA R	ML using Python
128	R21EF262	SHIVASHAKTHI K	ML using Python
129	R21EF263	SIDDHARTH MANUR	ML using Python
130	R21EF264	Sosthik R	ML using Python
131	R21EF265	Soumya R V	ML using Python
132	R21EF267	SUCHAITRA	ML using Python
133	R21EF268	TASEES FOUZAN	ML using Python
134	R21EF269	THANUSHREE M	ML using Python
135	R21EF270	THARUN KUMAR	ML using Python
136	R21EF271	V M SUBHASH	ML using Python
137	R21EF272	V M SUHAS	ML using Python

F Section

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138	R21EF143	VIVEK	ML using Python
139	R21EF253	RAKESH	ML using Python
140	R21EF274	ABHAY BHOSLE	ML using Python
141	R21EF275	ABHINANDAN R	ML using Python

142	R21EF277	AJITH DILEEP HUGGI	ML using Python
143	R21EF278	AKASH G M	ML using Python
144	R21EF279	ANKUSH HEGDE	ML using Python
145	R21EF280	ANURUP KOLI	ML using Python
146	R21EF281	ARJUN GUNTIMADUGU	ML using Python
147	R21EF289	DHEERAJ KUMAR	ML using Python
148	R21EF290	GANESH M	ML using Python
149	R21EF291	GANYA J	ML using Python
150	R21EF286	CHIRANTH GOWDA C	ML using Python
151	R21EF294	HARSHITHA D N	ML using Python
152	R21EF296	HIMANSHU SHARMA	ML using Python
153	R21EF297	JANHAVI PRAMOD KULKARNI	ML using Python
154	R21EF298	KASHISH K G	ML using Python
155	R21EF299	KAVANA BANKAPUR	ML using Python
156	R21EF300	KAVYA B S	ML using Python
157	R21EF302	KUSHAL T	ML using Python
158	R21EF304	LIKITHA M	ML using Python
159	R21EF305	MADHAVI S	ML using Python
160	R21EF306	MANOVIKYATH L	ML using Python
161	R21EF307	MD IMRAN	ML using Python
162	R21EF308	MEGHANA S	ML using Python
163	R21EF310	MOHAMMED SAMI UDDIN	ML using Python
164	R21EF311	NIHAAL ABDUL BASEER Q	ML using Python
165	R21EF313	OMKAR SAKRI	ML using Python
166	R21EF314	PINTARAM M	ML using Python
167	R21EF317	PREETHAM N VARNE	ML using Python
168	R21EF318	PREETHI H A	ML using Python
169	R21EF319	PRIYANKA J	ML using Python
170	R21EF321	ROHAN T R	ML using Python
171	R21EF322	SAHNAZ PARVEEN	ML using Python
172	R21EF323	SANJANA RAI B S	ML using Python
173	R21EF324	SANYA YADAV	ML using Python
174	R21EF325	SHIVARAJ L S	ML using Python
175	R21EF326	SHRINIVASRADDI R GUNJALAD	ML using Python
176	R21EF327	SNEHITH SHETTY V	ML using Python
177	R21EF328	SOWMYA	ML USING PYTHON
178	R21EF 329	SPOORTHI M S	ML USING PYTHON
179	R21EF330	SRUSTI G S M	ML USING PYTHON
180	R21EF331	SPUPRIYA HANCHINAL	ML USING PYTHON
181	R21EF332	TEJUS A K	ML USING PYTHON
182	R21EF333	V ANUSHA	ML USING PYTHON
183	R21EF337	VIGNESH P	ML using Python
184	R21EF338	VINAY KUMAR D	ML using Python
185	R21EF339	VISHAL	ML using Python
186	R21EF340	VIVEK YADAV J N	ML using Python
187	R21EF341	VIVEKANAND SHRIDHAR DESHINGE	ML using Python
188	R21EK038	SINDHU C NAIK	ML using Python
189	R21EF335	VENKATA PRANAV T	ML using Python

ROOM No: 101

REVA UNIVERSITY

School of Computer Science and Engineering

Total:52

ML using Python

Sl. No.	SRN	NAME	22-06-2021		23-06-2021		24-06-2021		25-06-2021	
			Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon	Forenoon	Afternoon
1	R21EF002	Adhikar Saha								
2	R21EF007	CHALLA VENKATA SAI YUGANDHAR REDDY	p	p	ab	p	p	ab	p	p
3	R21EF012	Korrapati Haseerva	p	p	p	p	p	p	p	p
4	R21EF013	Lakshmi patil	p	p	p	p	p	p	p	p
5	R21EF014	M R Tejadithya	p	p	p	p	p	p	p	p
6	R21EF015	Manjunath r	p	p	p	p	p	p	p	p
7	R21EF017	Mukesh M Suthar	p	p	p	p	p	p	p	p
8	R21EF025	Piyush Sharma	p	ab	p	ab	p	ab	p	p
9	R21EF030	Sangameshwar Hatti	p	p	p	p	p	p	p	p
10	R21EF034	Shrishaa Bysani Muralidhar	p	p	p	p	p	p	p	p
11	R21EF036	Irfan syed	p	p	p	p	p	p	p	p
12	R21EF037	VELAMURI VENKATESWARLU REDDY	p	ab	p	p	p	ab	p	p
13	R21EF041	Y.S.Vinod	p	p	p	p	p	p	p	p
14	R21EF104	Druva d.s	p	p	p	p	p	p	p	p
15	R21EF346	Aryaman Chakraborty	p	ab	p	ab	p	p	p	p
16	R21EF044	Ankit Vats	p	p	p	p	p	p	p	p
17	R21EF045	Arudhra Chandrasekaran	p	p	p	p	p	p	p	p
18	R21EF046	Bachurakeshkumar	p	ab	p	p	ab	p	p	p
19	R21EF047	Deepak rathod.B	p	p	ab	p	p	p	ab	p
20	R21EF048	BODAPATI KOMAL	ab	p	p	p	p	p	ab	ab
21	R21EF049	Akshai	p	p	p	ab	p	p	p	p
22	R21EF050	C HARSHA VARDHAN REDDY	p	p	p	p	p	p	p	p
23	R21EF054	E.Bharath kumar	p	ab	p	p	p	p	p	p
24	R21EF055	G.V.vinaya	p	p	p	p	p	p	p	p
25	R21EF063	Revanth Sathwik	p	p	p	p	p	p	p	p
26	R21EF068	Mahesh Y	p	p	p	p	p	p	p	p
27	R21EF069	Revanth. Mamidi	p	ab	ab	p	p	p	p	p
28	R21EF075	Poorvi Manvi	p	p	p	p	p	p	p	p
29	R21EF077	Samson Shaji George	p	p	p	p	p	p	p	p
30	R21EF082	SUJAY HR	p	p	p	p	p	p	p	p
31	R21EF085	Nivedita reddy	p	p	p	p	p	p	p	p
32	R21EF092	Varun. A	p	p	p	p	p	p	p	p
33	R21EF093	Vishnu ks	p	p	p	p	p	p	p	p
34	R21EF095	y.veeranaganjineyareddy	p	p	p	p	p	p	p	p
35	R21EF139	Veginati Sunil Kumar	p	p	ab	ab	p	p	p	p
36	R21EF122	Pindiboyana Hari Krishna	p	p	p	p	p	p	p	p
37	R21EF107	Naga koushik	p	p	p	p	p	p	p	p
38	R21EF114	Lakkuri Pallavi	p	p	p	p	p	p	p	p
39	R21EF130	Sanvi S	p	p	p	p	p	p	p	p
40	R21EF100	C. Sruthi	p	p	p	p	p	p	p	p
41	R21EF108	Kadirimangalam dinesh	p	p	p	p	p	p	p	p
42	R21EF102	Dinesh.C	p	p	p	p	p	p	p	p
43	R21EF128	S Manoj kumar	p	p	p	p	p	p	p	p
44	R21EF116	Sai kiran.M	p	ab	ab	p	p	p	p	p
45	R21EF112	Binith Srinivas	p	p	p	p	ab	ab	p	p
46	R21EF138	TUSHAR AMAN	p	p	p	ab	p	p	p	p
47	R21EF110	K.Deva Harshini	p	p	ab	p	p	p	p	p
48	R21EF145	Sandhya Reddy	p	ab	p	p	p	p	p	p
49	R21EF146	yatham tejasri	p	p	p	p	p	p	p	p
50	R21EF142	Vijay Sri Manideep	ab	p	p	p	ab	p	p	p
51	R21EF113	Pujitha Karanam	p	p	p	p	p	p	p	p
52	R21EF141	Velugula Sai tarun	p	ab	p	p	p	p	ab	ab
53	R21EF127	R.Meghana	p	p	p	p	p	p	p	p
54	R21EF147	yervasupriya@gmail.com	p	p	p	p	p	p	p	p
55	R21EF121	P Bhavitha	p	p	p	p	p	p	p	p
56	R21EF111	K Tejaswini	p	p	p	p	p	p	p	p
57	R21EF096	Ashwani Kumar	p	p	p	p	p	p	p	p
58	R21EF131	Saurabh kumar	p	p	p	p	p	p	p	p
59	R21EF120	Nagarjun.n	p	p	p	p	p	p	p	p
60	R21EF150	ADARSH SURESH KUMAR MENON	p	p	p	p	p	p	p	p
61	R21EF152	ANISH.V ANISH.V	p	p	p	p	p	p	p	p
62	R21EF153	ANKITH K	p	p	p	p	p	p	p	p
63	R21EF154	ANSHUMAN H PATEL	p	p	p	p	p	p	p	p
64	R21EF155	APOORV MATHUR	p	p	p	p	p	p	p	p
65	R21EF156	CHALUKYA NAYAKA	AB	AB	p	p	p	p	p	p
66	R21EF165	HRISHIKESH NAIK	AB	AB	p	p	p	p	AB	AB
67	R21EF166	IRUGU SUNIL	AB	AB	p	p	p	p	AB	AB
68	R21EF176	MANISH TIWARY	p	p	p	p	p	p	p	AB
69	R21EF178	LOKESH M	AB	AB	p	p	p	p	AB	AB
70	R21EF180	G NIKHIL RAJU	AB	p	p	p	p	p	p	p
71	R21EF184	RITVIK GIRISH	p	p	p	p	p	p	p	p
72	R21EF185	S V VIVEK REDDY	p	p	p	ab	p	p	p	p
73	R21EF186	SACHIN METI	p	p	p	p	p	p	p	p
74	R21EF188	SHAIK JUBEDHA	p	AB	p	ab	p	p	AB	AB
75	R21EF189	SHAIK MOHAMMED ALTAF	p	AB	p	p	p	ab	p	AB
76	R21EF190	SHAIK MOHAMMED SULEMAN	p	p	p	p	p	p	AB	AB
77	R21EF192	SHANKAR EMANI	p	p	p	ab	p	p	p	AB



78	R21EF195	SUMAIR NOORBASHA	p	AB	p	p	p	ab	AB	AB
79	R21EF196	SUMEET .	p	AB	p	p	p	p	p	p
80	R21EF199	VIKAS P J	p	p	p	p	p	p	p	p
81	R21EF200	VIKAS VALLURU	p	p	p	p	p	p	p	p
82	R21EF201	VINEETH B	p	p	p	p	p	p	p	p
83	R21EF349	SANDEEP Y	AB	p	p	p	p	p	p	p
84	R21EF356	MALATESH HOSAMANE	p	AB	p	p	p	p	p	p
85	R21EF197	TUSHAR S	AB	p	p	p	p	p	p	p
86	R21EF202	ABDULLAH MOHAMMED ZAID	p	p	p	p	p	p	p	p
87	R21EF203	ABHIJEET RATHOD	p	p	p	p	p	p	p	p
88	R21EF204	AJITH.	p	p	p	p	p	p	p	p
89	R21EF205	AKSHAYA G R	p	p	p	p	p	p	p	p
90	R21EF207	Anusha P Hullathi	p	p	p	p	p	p	p	p
91	R21EF208	ARVINDH B V	p	AB	p	ab	p	p	p	p
92	R21EF209	ATIK NISAR ALGUR	p	p	p	p	p	p	p	p
93	R21EF211	B VIKRANTH REDDY	p	p	p	p	p	p	p	AB
94	R21EF212	CHANDRA PRAKASH NAIDU K R		AB	p	ab		ab		
95	R21EF213	CHINMAY	p	p	p	p	p	p	AB	p
96	R21EF215	DIVYA K N	p	p	p	p	p	p	p	AB
97	R21EF216	DIVYA L	p	p	p	p	p	p	p	p
98	R21EF218	Gayatri Edigar	p	p	p	p	p	p	p	p
99	R21EF220	GODHA R GARUDA	p	p	p	p	p	p	p	p
100	R21EF221	GUNASHREE S	p	p	p	p	p	p	p	p
101	R21EF222	HANAMANT S WADDAR	p	p	p	p	p	p	p	p
102	R21EF223	Harish H	p	p	p	p	p	p	p	p
103	R21EF224	HARSHA M	p	p	p	p	p	p	p	p
104	R21EF227	Jaswanth KM	p	p	p	p	p	p	AB	AB
105	R21EF228	JATHIN S	p	p	p	p	p	p	p	p
106	R21EF229	K GAYATHRI	p	p	p	p	p	p	p	p
107	R21EF230	KUMARSWAMY S	p	p	p	p	p	p	p	p
108	R21EF233	MADAN REDDY P R	p	p	p	p	p	p	p	p
109	R21EF234	Mamatha P	p	p	p	p	p	p	p	p
110	R21EF235	MANJUNATHA A	AB	AB	p	p	p	p	AB	AB
111	R21EF236	Mayur Shashikiran Mutalikdesai	p	p	p	p	p	p	p	p
112	R21EF237	NAGESHA R	p	p	p	p	p	p	p	p
113	R21EF238	NIKHIL A V	p	p	p	p	p	p	p	p
114	R21EF240	NITHEESHWAR B R	p	p	p	p	p	p	p	p
115	R21EF241	P N Mohith Reddy	p	p	p	p	p	ab	AB	AB
116	R21EF242	PAVAN B N	p	p	p	ab				
117	R21EF243	PAVAN KALYAN L	p	p	p	p	p	p	p	p
118	R21EF244	PAVAN KUMAR K R	p	p	p	p	p	p	p	p
119	R21EF245	Pooja	p	p	p	p	p	p	p	p
120	R21EF246	POOJASHREE	p	p	p	p	p	p	p	p
121	R21EF247	PRATIK K	p	p	p	p	p	p	p	p
122	R21EF249	PRIYA T	p	p	p	p	p	p	p	p
123	R21EF250	RAHUL B N	p	p	p	p	p	p	p	p
124	R21EF254	RAMESH	p	p	p	p	p	p	p	p
125	R21EF255	S ANISH	p	p	p	p	p	p	p	p
126	R21EF257	Sahana Karishetti	p	p	p	p	p	p	p	p
127		VISHNU KS	p	AB	p	p	p	p	p	p
127	R21EF259	SANJANA R	p	p	p	p	p	p	p	p
128	R21EF262	SHIVASHAKTHI K	p	p	p	p	p	p	p	p
129	R21EF263	SIDDHARTH MANUR	p	p	p	p	p	p	p	ab
130	R21EF264	Sosthik R	p	p	ab	p	ab	ab	ab	ab
131	R21EF265	Soumya R V	p	p	p	ab	ab	ab	ab	ab
132	R21EF267	SUCHAITRA	p	p	p	p	p	p	ab	p
133	R21EF268	TASEES FOUZAN	p	p	p	p	p	p	ab	ab
134	R21EF269	THANUSHREE M	p	p	p	p	p	p	p	ab
135	R21EF270	THARUN KUMAR	p	p	p	p	p	p	p	p
136	R21EF271	V M SUBHASH	p	p	p	p	p	p	p	ab
137	R21EF272	V M SUHAS	p	p	p	p	p	p	p	ab
138	R21EF143	VIVEK	p	p	p	p	p	p	p	ab
139	R21EF253	RAKESH	p	p	p	p	p	p	ab	ab
140	R21EF274	ABHAY BHOSLE	p	p	p	p	p	ab	p	p
141	R21EF275	ABHINANDAN R	p	p	p	p	p	ab	p	ab
142	R21EF277	AJITH DILEEP HUGGI	p	p	p	p	p	ab	p	ab
143	R21EF278	AKASH G M	p	p	p	p	p	p	ab	ab
144	R21EF279	ANKUSH HEGDE	p	p	p	p	p	p	p	p
145	R21EF280	ANURUP KOLI	p	p	p	p	ab	ab	ab	ab
146	R21EF281	ARJUN GUNTIMADUGU	p	p	p	p	ab	ab	ab	ab
147	R21EF289	DHEERAJ KUMAR	p	ab	ab	ab	ab	ab	ab	ab
148	R21EF290	GANESH M	p	p	ab	p	p	ab	p	ab
149	R21EF291	GANYA J	p	p	p	p	p	p	ab	ab
150	R21EF286	CHIRANTH GOWDA C	p	p	p	p	p	p		0 ab
151	R21EF294	HARSHITHA D N	p	p	p	p	ab	ab	p	ab
152	R21EF296	HIMANSHU SHARMA	ab	ab	p	ab	p	p	ab	ab
153	R21EF297	JANHVI PRAMOD KULKARNI	p	p	p	p	p	p	p	p
154	R21EF298	KASHISH K G	p	p	p	p	p	p	p	p
155	R21EF299	KAVANA BANKAPUR	p	p	p	p	p	p	p	p
156	R21EF300	KAVYA B S	p	p	p	p	p	p	p	p
157	R21EF302	KUSHAL T	p	p	p	p	p	p	p	ab

158	R21EF304	LIKITHA M	p	p	p	p	ab	ab	p	ab
159	R21EF305	MADHAVI S	p	p	p	p	p	p	p	p
160	R21EF306	MANOVIKYATH L	p	p	p	p	p	p	p	ab
161	R21EF307	MD IMRAN	p	p	p	p	p	p	ab	ab
162	R21EF310	MOHAMMED SAMIUDDIN	p	p	ab	ab	ab	p	p	ab
163	R21EF311	NIHAAL ABDUL BASEER Q	p	p	p	p	ab	ab	ab	ab
164	R21EF313	OMKAR SAKRI	p	p	p	p	p	p	ab	ab
165	R21EF314	PINTARAM M	p	p	p	p	p	p	p	p
166	R21EF317	PREETHAM N VARNE	p	p	p	p	p	p	p	p
167	R21EF318	PREETHI H A	p	p	p	p	p	p	p	p
168	R21EF319	PRIYANKA J	p	p	p	p	p	p	p	p
169	R21EF321	ROHAN T R	p	p	p	p	p	p	p	p
170	R21EF322	SAHNAZ PARVEEN	p	p	p	p	p	p	p	p
171	R21EF323	SANJANA RAI B S	p	p	p	p	p	p	p	ab
172	R21EF324	SANYA YADAV	p	p	p	p	ab	ab	p	ab
173	R21EF325	SHIVARAJ L S	p	p	p	p	p	p	ab	p
174	R21EF326	SHRINIVASRADDI R GUNJALAD	p	p	p	p	ab	ab	ab	ab
175	R21EF327	SNEHITH SHETTY V	ab	ab	ab	ab	ab	ab	ab	ab
176	R21EF328	Soumym D	p	p	p	p	ab	ab	ab	ab
177	R21EF329	Spoorthi	p	p	p	p	p	p	p	p
178	R21EF330	Shruti	p	ab	ab	ab	ab	ab	ab	ab
179	R21EF331	Supriya	p	p	p	p	p	p	p	p
180	R21EF332	Teju A K	p	p	p	p	p	p	p	p
181	R21EF333	Anusha V	p	p	p	p	p	p	p	p
182	R21EF337	VIGNESH P	p	p	p	p	p	p	ab	p
183	R21EF338	VINAY KUMAR D	p	p	p	p	p	p	p	p
184	R21EF339	VISHAL	p	ab	p	p	p	p	p	ab
185	R21EF340	VIVEK YADAV J N	p	p	p	p	p	p	p	ab
186	R21EF341	VIVEKANAND SHRIDHAR DESHINGE	p	p	p	p	p	p	ab	ab
187	R21EK038	SINDHU C NAIK	p	p	p	p	p	p	p	p
188	R21EF335	VENKATA PRANAV T	p	p	p	ab	p	ab	ab	ab
189	R21EF308	MEGHANA S	p	p	p	ab	p	p	p	ab



**REVA**  
UNIVERSITY

Bengaluru, India

Established as per the section 2(f) of the UGC Act, 1956,  
Approved by AICTE, New Delhi

# Certificate of Participation

This is proudly presented to

**Likhitha M**

This is awarded for the completion of certificate requirements and excellence in the pursuit of achieving hands on technical skills and professional Information Technology expertise.

The candidate pursuing **School of Computer Science and Engineering, 2<sup>nd</sup> Semester, REVA University, Bangalore**, has attended and completed the requirements of Four Days Skill Development Course on “**Machine Learning Using Python**” offered by SKILLRISE, Bangalore, from 22<sup>nd</sup> June 2021 to 25<sup>th</sup> June 2021.

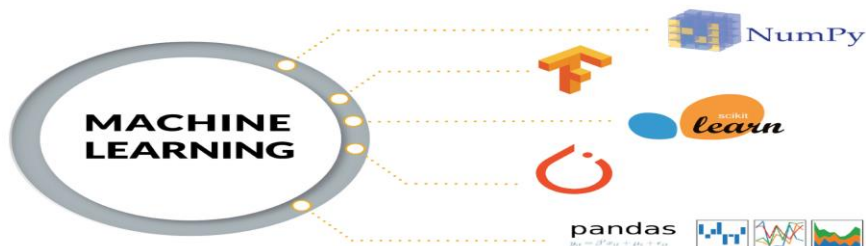


**Authorized Signatory**  
**SKILLRISE**



# Hands-on Course

## Machine Learning with Python



<b>Duration: 4 Days</b>
<b>Course Content</b>
<b>Python Foundation</b>
Introduction to Python Programming
Anaconda Software Installation and Usage
Python Basics - overview & brief Summary
Usage and Different accessing Methods of Lists, Tuples & Dictionaries with Examples
Implementing Stacks and queues using List
Python Function & Examples
Lambda & Recursive Functions with Example Project
Map & Filter Functions
Comprehensions in Python
Regular Expressions in Python
Built-in Functions & Special characters for Regular Functions

Classes and Objects using Python
Inheritance, Encapsulation, and Polymorphism
<b>Python Libraries</b>
Numpy array creation & Functions
Example programs using Numpy
Mathematical Operations using Numpy
Pandas Library in Python
Series & Dataframes
Accessing data using pandas
reading CSV & excel file through pandas
Matplotlib Introduction
Matplotlib graphs: Line graph, Scatter plot, bar graph, Histogram & Pie chart
Introduction to SeaBorn Library
Bar, Line, Area chart & Heatmap Analysis
Facet grids, statistical charts, Polar charts, waffle charts & 3D charts
<b>Data Cleaning &amp; Data Visualisation</b>
Causes and Impact of Missing Values
Types of Missing Values & Cleaning Techniques
Outliers & methods to deal with Outliers
Project1: Data cleaning with Big Mart dataset
Project1: Data cleaning with Fifa Dataset
Data visualization using Seaborn Library,
Univariate, Bivariate & Multivariate Analysis
<b>Feature Engineering &amp; Data Processing</b>
Introduction to Feature Engineering
Removing unnecessary columns
Different Functions in Feature Engineering
Feature Engineering in Titanic Data
Introduction to Data Processing & Types of Encoding Techniques
Label Encoding, OneHot Encoding, Binary & BaseN Encoding with Examples

Introduction to Skewness and Normal Distribution
Transformation Types & Examples
<b>Machine Learning Basic Concepts and Applications</b>
Introduction to Machine Learning & Its Types
Introduction to Linear & Classification Models
Project-1: House Pricing Prediction using Linear Regression Model intuition and Practical Implementation
Logistic Regression Model intuition and Practical Implementation with Example
Training Methodologies
<b>End of the Session</b>

**Final Outcomes of Hands-on Course:**

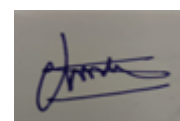
- 3 Softwares will be learned by end of the course
- Hands-on with Python Programming
- Hands-on with Python Libraries which leads to a strong foundation in Machine Learning.
- Students will get real experience with Basic concepts of Machine Learning.

**Perquisites:**

Internet Speed A least 30mbs

Chrome or any internet browser

Minimum of 4GB RAM Computer or laptop





Bengaluru, India

Established as per the section 2(f) of the UGC Act, 1956  
Approved by AICTE, COA and BCI, New Delhi



**School of Mechanical Engineering**  
**in association with University Industry Interaction Center (UIIC)**  
Organises  
**Skill Development Program for**  
**First Year Mechanical & Mechatronics Engineering Students**  
**on**  
**Python Programming with Real-Time Industrial Application**

**Date :** 12<sup>th</sup> to 16<sup>th</sup> March, 2021

**Time :** 8:30 A.M. to 4:30 P.M.

**Venue :**

Sir. M.V Block REVA University

[www.reva.edu.in](http://www.reva.edu.in)



**School of Mechanical Engineering**  
**Skill Development Course 2020-21**  
**Program: B.Tech Mechanical Engineering**  
**Semester: 1<sup>st</sup> ME, MH**

**Training Partner: Aqmenz Automation Pvt Ltd Bangalore**

**Course Name: Python Programming With Real-Time Industrial Application**

**Course Objectives:**

1. To give Hands-on with Python Programming
2. To introduce Python Libraries which leads to a strong foundation in Machine Learning.
3. To Solve Industry Related Application Problems
4. To impart the knowledge of real experience with Basic concepts of Machine Learning

**Topic-1: Introduction to Python Programming**

Introduction to Python Programming Software installation & interface Introduction to Google Colab Basic Programming Concepts Data Types - Numbers, Strings, Lists, Tuples and Dictionaries Type Casting Method Built-in Functions Conditional statements & looping with Real-Time Examples.

**Topic -2: Introduction to Functions**

Scope & Usage of Functions Functions Example Programs Lambda Function and Examples Module concept used in python Pre-built Modules - time, math, random Exceptional Handling with 'try-except' Python Libraries Numpy Library in Python Numpy array creation & Functions Example programs using Numpy.

**Topic -3: Pandas Library in Python**



Matplotlib Introduction Matplotlib graphs: Line graph, Scatter plot, bar graph, Histogram & Pie chart Pandas Library in Python Series & Dataframes Accessing data using pandas reading csv, excel & html file through pandas Introduction to OpenCV Reading images in BRG, Gray and Binary format Video capturing and storage converting colour to gray and gray to binary image Contour concepts & programming.




#### **Topic – 4: Introduction to Machine Learning**

Introduction to Machine Learning Artificial Intelligence vs Machine Learning vs Deep Learning Example discussion on AI, ML & DL Machine Learning Types - Supervised, Unsupervised, Semi-supervised and Reinforcement Learning Machine Learning Model Introduction Introduction to scikit-learn Training Methodologies used in Machine Learning Demonstration project using Machine Learning.



Indoskill Automation  
Private Limited



<b>Mentors List</b>						
<b>Mentor No.</b>	<b>Photo</b>	<b>Name</b>	<b>Contact no</b>	<b>E_mail</b>	<b>Designation</b>	<b>Field of expertise</b>
1		Mohan V S	9743396604	info@indoskill.in	CEO	SPM, Product Design, Industrial Automation and Robotics
2		Mohammed Azhar Hussain	9738802359	cto@indoskill.in	CTO	Industrial Automation, Robotics, Embedded Systems, Python and Deep Learning
3		Srinivasan K	97382 09365	nm20.indoskill@gmail.com	Embedded Systems Engineer	Industrial Automation, Robotics, Python And Embedded systems
4		Preetham M R	8296664217	nm1.indoskill@gmail.com	Design Engineer	Industrial Automation and Product Design

# REVA UNIVERSITY

## SCHOOL OF MECHANICAL ENGINEERING

### SKILL DEVELOPMENT ACTIVITIES FOR FIRST SEMESTER STUDENTS

#### STUDENTS DETAILS

Course Name: Python Programming With Real-Time Industrial Application

Dates: 12.03.2021 TO 16.03.2021 Timings: 8:30 am to 4.30 pm

S.No	SRN	NAME OF STUDENT	Sem & Sec
1	R20ES006	ARUN R KAPARTHY	I MT
2	R20ER001	ABHISHEK R	1ME
3	R20ER002	ABHISHEK U	1ME
4	R20ER003	ADARSHA B R	1ME
5	R20ER004	AKSHAY G JENUKALLU	1ME
6	R20ER005	AMUL KUMAR VAGGE	1ME
7	R20ER006	ANISH KRISHNA R	1ME
8	R20ER007	ANISH RAVID NORONHA	1ME
9	R20ER008	ANKIT KUMAR	1ME
10	R20ER009	ANOOP M	1ME
11	R20ER010	ANUSHA ARUN KATWENAVAR	1ME
12	R20ER011	ARUSH SHASHIKANTH CHAPPANNAMATH	1ME
13	R20ER012	AZAM KUNCHAMMED	1ME
14	R20ER013	BABLU YADAV	1ME
15	R20ER014	BETTAKONDA REDDEPPA	1ME
16	R20ER015	BRIJESHKUMAR CHAUHAN	1ME
17	R20ER016	CHARAN S	1ME
18	R20ER017	CHIRAG GOWDA P	1ME
19	R20ER018	D BHAVIK CHAKRAVARTHY	1ME
20	R20ER019	DEV MUNEESHWAR G	1ME
21	R20ER020	GAJJALANNAGARI SAI TARUN	1ME
22	R20ER021	GANGARAPU PRASHANTH	1ME
23	R20ER022	GIDDALUR JANARDAN REDDY	1ME
24	R20ER023	GOWNI YASHWANTH	1ME
25	R20ER024	HYDER ALI KHAN	1ME
26	R20ER025	KARAKALA SUMANTH REDDY	1ME
27	R20ER026	KUSHAL M S	1ME
28	R20ER027	KUSUM CHOUDHARY	1ME
29	R20ER028	KYPA VIJAY KUMAR REDDY	1ME
30	R20ER029	M NIDHEESH PATEL	1ME

S.No	SRN	NAME OF STUDENT	Sem & Sec
31	R20ER030	MADHU KUMAR S	1ME
32	R20ER031	MANOJ D S	1ME
33	R20ER032	MAYUR RAJU	1ME
34	R20ER033	MITHUN H A	1ME
35	R20ER034	MOHAMMED ABDULLA BUKHARI	1ME
36	R20ER035	MOHAMMED ALI AFZAL KOUNNAIN	1ME
37	R20ER036	PRAHARSH S	1ME
38	R20ER037	RAGHAVENDRA R S	1ME
39	R20ER038	RITU RAJ MOHANI	1ME
40	R20ER039	SAMUEL DENNIS LOUIS	1ME
41	R20ER040	SPOORTI HANUMAREDDY REDDY	1ME
42	R20ER041	SRIVALLI U	1ME
43	R20ER042	TEJASWI G M	1ME
44	R20ER043	VEERESH	1ME
45	R20ER044	VIVEK E S	1ME
46	R20ER045	DHANUSH BABU D S	1ME
47	R20ER046	DHANUSH H S	1ME
48	R20ER047	HARSHITH GOWDA T N	1ME
49	R20ER048	JAGADISH M	1ME
50	R20ER049	JYOTHI SWAROOP B	1ME
51	R20ER050	K S AKASH	1ME
52	R20ER051	KUNAL MUTHA	1ME
53	R20ER052	LIKITH GOWDA N	1ME
54	R20ER053	LOKESH ANIL V	1ME
55	R20ER054	M PRAVEEN KUMAR	1ME
56	R20ER055	MANNU MATAM AKASH	1ME
57	R20ER056	MINUMANURI KOTLO SAIPRADEEP	1ME
58	R20ER057	MOHAMMED AMEEN PASHA	1ME
59	R20ER058	MUZAMMIL SAIT	1ME
60	R20ER059	NITIN DUBEY	1ME
61	R20ER060	PAPPASANI VARUN KUMAR	1ME
62	R20ER061	PONUGUPATI KSHITIJ	1ME
63	R20ER062	PRASANNA KUMAR	1ME
64	R20ER063	PRITHVI E A	1ME
65	R20ER064	RAHUL C REDDY	1ME
66	R20ER065	RAHUL R PUJARI	1ME

S.No	SRN	NAME OF STUDENT	Sem & Sec
67	R20ER066	RAHUL S KADECHUR	1ME
68	R20ER067	ROHITH N	1ME
69	R20ER068	S R SHREE KIRAN	1ME
70	R20ER069	SACHITANAND REDDY P	1ME
71	R20ER070	SAGAR PANDURANG KAMBAR	1ME
72	R20ER071	SAIRAM REDDY HEGADE	1ME
73	R20ER072	SAMANYU H S	1ME
74	R20ER073	SHAIK NOOR MOHAMMED	1ME
75	R20ER074	SHANKAR ASHOK JUMANAL	1ME
76	R20ER075	SHASHANK K M	1ME
77	R20ER076	SREEHARI V S	1ME
78	R20ER077	SUHAS PATIL B	1ME
79	R20ER078	SUJITH KUMAR S	1ME
80	R20ER079	SUJNAN M P	1ME
81	R20ER080	SWAMI POOJA SHANKAR	1ME
82	R20ER081	TEJAS OOMMEN PHILIPOSE	1ME
83	R20ER082	VEDANTH P	1ME
84	R20ER083	VEERABHADRA S RONAD	1ME
85	R20ER084	VINUTH M	1ME
86	R20ER085	Gagan	1ME
87	R20ES001	ADHISH MULLATH	I MT
88	R20ES002	ADITHYA VIVEK	I MT
89	R20ES003	AKASH DS	I MT
90	R20ES004	ALEX TOM	I MT
91	R20ES005	ANKITHA S	I MT
92	R20ES007	BHUVAN S GOWDAR	I MT
93	R20ES008	CALVIN JEROME J A	I MT
94	R20ES009	CHARAN KUMAR N	I MT
95	R20ES010	DARSHAN B S	I MT
96	R20ES011	DIVYESH PIYUSH SINHA	I MT
97	R20ES012	E YASHASS	I MT
98	R20ES013	FUDAIL JAVEED ANSARI	I MT
99	R20ES014	G N ABHISHEK	I MT
100	R20ES015	HANUMANTHA Y	I MT
101	R20ES016	JEEVAN S	I MT
102	R20ES017	KARAN NARENDRA	I MT

S.No	SRN	NAME OF STUDENT	Sem & Sec
103	R20ES018	KISHAN R	I MT
104	R20ES019	LIKHITH T G	I MT
105	R20ES020	M PAVAN RAJU	I MT
106	R20ES021	M VINOD KUMAR	I MT
107	R20ES022	MACNEIL HADLEY NORONHA	I MT
108	R20ES023	MICHELLE V MAHAJAN	I MT
109	R20ES024	MOHAMMAD TAYYAB N RANEBENNUR	I MT
110	R20ES025	MOHAMMED OBAID MUFIZ	I MT
111	R20ES026	MOONISH M	I MT
112	R20ES027	MUHAMMAD MARSAD E P	I MT
113	R20ES028	NITHISH KUMAR M S	I MT
114	R20ES029	OMKAR KALEKAR	I MT
115	R20ES030	POLI DHANUSH	I MT
116	R20ES031	PRAJWAL REDDY B V	I MT
117	R20ES032	PRATHYUSH R	I MT
118	R20ES033	R KARTHIK	I MT
119	R20ES034	RAKSHIT JAISWAL	I MT
120	R20ES035	SACHIN KUMAR V	I MT
121	R20ES036	SAGAR B	I MT
122	R20ES037	SHAHID PASHA	I MT
123	R20ES038	SHIVANI S	I MT
124	R20ES039	SUMANTH S MADABHAVI	I MT
125	R20ES040	SUMITH B L ULINA	I MT
126	R20ES041	THANUSH R	I MT
127	R20ES042	THARANESHWARAN S	I MT
128	R20ES043	UDAY KIRAN REDDY G	I MT
129	R20ES044	UPADHYE ARHAM RAJENDRA	I MT
130	R20ES045	VISHAL B N	I MT
131	R20ES046	YASHAS G	I MT
132	R20ES047	YUVRAJ AVINASH KHARDE	I MT

Coordinator

Director

**REVA UNIVERSITY**  
**SCHOOL OF MECHANICAL ENGINEERING**  
**SKILL DEVELOPMENT ACTIVITIES FOR FIRST SEMESTER STUDENTS (Mechanronics Engg)**  
**ATTENDANCE DETAILS FOR**  
**PYTHON PROGRAMMING WITH REAL-TIME INDUSTRIAL APPLICATION**



Dates: 12.03.2021 to 16.03.2021

Timings: 8.30 AM to 4.30 PM

S.No	SRN	NAME OF STUDENT	Sem & Sec	12.03.2021		13.03.2021		14.03.2021		15.03.2021		16.03.2021	
				MS	AS	MS	AS	MS	AS	MS	AS	MS	AS
1	R20ES001	ADHISH MULLATH	1 MT	P	P	P	P	P	P	P	P	P	P
2	R20ES002	ADITHYA VIVEK	1 MT	P	P	P	P	P	P	P	P	P	P
3	R20ES003	AKASH DS	1 MT	P	P	P	P	P	P	P	P	P	P
4	R20ES004	ALEX TOM	1 MT	P	P	P	P	P	P	P	P	P	P
5	R20ES005	ANKITHA S	1 MT	P	P	P	P	P	P	P	P	P	P
6	R20ES006	ARUN R KAPARTHY	1 MT	P	P	P	P	P	P	P	P	P	P
7	R20ES007	BHUVAN S GOWDAR	1 MT	P	P	P	P	A	A	P	P	P	P
8	R20ES008	CALVIN JEROME J A	1 MT	P	P	P	P	P	P	P	P	P	P
9	R20ES009	CHARAN KUMAR N	1 MT	P	P	P	P	P	P	P	P	P	P
10	R20ES010	DARSHAN B S	1 MT	P	P	P	P	P	P	P	P	P	P
11	R20ES011	DIVYESH PIYUSH SINHA	1 MT	P	P	P	P	P	P	P	P	P	P
12	R20ES012	E YASHASS	1 MT	P	P	P	P	P	P	P	P	P	P
13	R20ES013	FUDAIL JAVEED ANSARI	1 MT	P	P	P	P	P	A	P	P	P	P
14	R20ES014	G N ABHISHEK	1 MT	P	P	P	P	P	P	P	P	P	P
15	R20ES015	HANUMANATHA Y	1 MT	P	P	P	P	P	P	P	P	P	P
16	R20ES016	JEEVAN S	1 MT	P	P	P	P	P	P	P	P	P	P
17	R20ES017	KARAN NARENDRA	1 MT	P	P	P	P	A	A	P	P	P	P
18	R20ES018	KISHAN R	1 MT	P	P	P	P	P	P	P	P	P	P
19	R20ES019	LIKHITH T G	1 MT	P	P	P	P	P	P	P	P	P	P
20	R20ES020	M PAVAN RAJU	1 MT	P	P	P	P	A	A	P	P	P	P
21	R20ES021	M VINOD KUMAR	1 MT	P	P	P	P	P	P	P	P	P	P
22	R20ES022	MACNEIL HADLEY NORONHA	1 MT	A	A	A	A	A	A	A	A	A	A
23	R20ES023	MICHELLE V MAHAJAN	1 MT	P	P	P	P	P	P	P	P	P	P
24	R20ES024	MOHAMMAD TAYYAB N RANEBENNUR	1 MT	P	P	P	P	P	A	P	P	P	P
25	R20ES025	MOHAMMED OBAID MUFIZ	1 MT	P	P	P	P	P	P	P	P	P	P
26	R20ES026	MOONISH M	1 MT	P	P	P	P	P	P	P	P	P	P
27	R20ES027	MUHAMMAD MARSAD E P	1 MT	P	P	P	P	P	A	A	P	P	P
28	R20ES028	NITHISH KUMAR M S	1 MT	P	P	P	P	P	P	P	P	P	P
29	R20ES029	OMKAR KALEKAR	1 MT	A	A	A	A	A	A	A	A	A	A
30	R20ES030	POLI DHANUSH	1 MT	P	P	P	P	P	P	P	P	P	P
31	R20ES031	PRAJWAL REDDY B V	1 MT	P	P	P	P	P	P	P	P	P	P
32	R20ES032	PRATHYUSH R	1 MT	P	P	P	P	P	P	P	P	P	P
33	R20ES033	R KARTHIK	1 MT	P	P	P	P	P	P	P	P	P	P
34	R20ES034	RAKSHIT JAISWAL	1 MT	P	P	P	P	P	P	P	P	P	P
35	R20ES035	SACHIN KUMAR V	1 MT	P	P	P	P	P	P	P	P	P	P
36	R20ES036	SAGAR B	1 MT	P	P	P	P	P	P	P	P	P	P
37	R20ES037	SHAHID PASHA	1 MT	P	P	P	P	P	P	P	P	P	P
38	R20ES038	SHIVANI S	1 MT	P	P	P	P	P	P	P	P	P	P
39	R20ES039	SUMANTH S MADABHAVI	1 MT	P	P	P	P	A	A	P	P	P	P
40	R20ES040	SUMITH B L ULINA	1 MT	P	P	P	P	P	P	P	P	P	P
41	R20ES041	THANUSH R	1 MT	P	P	P	P	P	P	P	P	P	P
42	R20ES042	THARANESHWARAN S	1 MT	P	P	P	P	P	P	P	P	P	P
43	R20ES043	UDAY KIRAN REDDY G	1 MT	P	P	P	P	P	P	P	P	P	P
44	R20ES044	UPADHYE ARHAM RAJENDRA	1 MT	P	P	P	P	P	P	P	P	P	P
45	R20ES045	VISHAL B N	1 MT	P	P	P	P	P	P	P	P	P	P
46	R20ES046	YASHAS G	1 MT	P	P	P	P	P	P	P	P	P	P
47	R20ES047	YUVRAJ AVINASH KHARDE	1 MT	P	P	P	P	P	P	P	P	P	P

*[Signature]*  
 Coordinators

*[Signature]*  
 Director, ME

Total students : 47  
 Present : 45  
 Absent : 02

Total No. of students from Mechanronics Engineering attended Program = 45

**REVA UNIVERSITY**  
**SCHOOL OF MECHANICAL ENGINEERING**  
**SKILL DEVELOPMENT ACTIVITIES FOR FIRST SEMESTER STUDENTS**  
**ATTENDANCE DETAILS FOR**  
**PYTHON PROGRAMMING WITH REAL-TIME INDUSTRIAL APPLICATION**



Dates: 12.03.2021 to 16.03.2021

Timings: 8.30 AM to 4.30 PM

S.No	SRN	NAME OF STUDENT	Dates Sem & Sec	12.03.2021		13.03.2021		14.03.2021		15.03.2021		16.03.2021	
				MS	AS	MS	AS	MS	AS	MS	AS	MS	AS
1	R20ER001	ABHISHEK R	1A	P	P	P	P	P	P	P	P	P	P
2	R20ER002	ABHISHEK U	1A	P	P	P	P	P	P	P	P	P	P
3	R20ER003	ADARSHA B R	1A	P	P	P	P	P	P	P	P	P	P
4	R20ER004	AKSHAY G JENUKALLU	1A	P	P	P	P	P	P	P	P	P	P
5	R20ER005	AMUL KUMAR VAGGE	1A	P	P	P	P	P	P	P	P	P	P
6	R20ER006	ANISH KRISHNA R	1A	P	P	P	P	P	P	P	P	P	P
7	R20ER007	ANISH RAVID NORONHA	1A	P	P	P	P	P	P	P	P	P	P
8	R20ER008	ANKIT KUMAR	1A	P	P	P	P	P	P	P	P	P	P
9	R20ER009	ANOOP M	1A	P	P	P	P	P	P	P	P	P	P
10	R20ER010	ANUSHA ARUN K	1A	P	P	P	P	P	P	P	P	P	P
11	R20ER011	ARUSH SHASHIKANTH C	1A	P	P	P	P	P	P	P	P	P	P
12	R20ER012	AZAM KUNCHAMMED	1A	P	P	P	P	P	P	P	P	P	P
13	R20ER013	BABLU YADAV	1A	P	P	P	P	P	P	P	P	P	P
14	R20ER014	BETTAKONDA REDDEPPA	1A	P	P	P	P	P	P	P	P	P	P
15	R20ER015	BRIJESHKUMAR CHAUHAN	1A	P	P	P	P	P	P	P	P	P	P
16	R20ER016	CHARAN S	1A	P	P	P	P	P	P	P	P	P	P
17	R20ER017	CHIRAG GOWDA P	1A	P	P	P	P	P	P	P	P	P	P
18	R20ER018	D BHAVIK CHAKRAVARTHY	1A	P	P	P	P	P	P	P	P	P	P
19	R20ER019	DEV MUNEESHWAR G	1A	P	P	P	P	P	P	P	P	P	P
20	R20ER020	GAJJALANNAGARI SAI TARUN	1A	P	P	P	P	P	P	P	P	P	P
21	R20ER021	GANGARAPU PRASHANTH	1A	P	P	P	P	P	P	P	P	P	P
22	R20ER022	GIDDALUR JANARDAN REDDY	1A	P	P	P	P	P	P	P	P	P	P
23	R20ER023	GOWNI YASHWANTH	1A	P	P	P	P	P	P	P	P	P	P
24	R20ER024	HYDER ALI KHAN	1A	P	P	P	P	P	P	P	P	P	P
25	R20ER025	KARAKALA SUMANTH REDDY	1A	P	P	P	P	P	P	P	P	P	P
26	R20ER026	KUSHAL M S	1A	P	P	P	P	P	P	P	P	P	P
27	R20ER027	KUSUM CHOUDHARY	1A	P	P	P	P	P	P	P	P	P	P
28	R20ER028	KYPA VIJAY KUMAR REDDY B	1A	P	P	P	P	P	P	P	A	P	P
29	R20ER029	M NIDHEESH PATEL	1A	P	P	P	P	P	P	P	P	P	P
30	R20ER030	MADHU KUMAR S	1A	P	P	P	P	P	P	P	P	P	P
31	R20ER031	MANOJ D S	1A	P	P	P	P	P	P	P	P	P	P
32	R20ER032	MAYUR RAJU	1A	P	P	P	P	P	P	P	P	P	P
33	R20ER033	MITHUN H A	1A	P	P	P	P	P	P	P	P	P	P
34	R20ER034	MOHAMMED ABDULLA BIKHARI	1A	P	P	P	P	P	P	P	P	P	P
35	R20ER035	MOHAMMED ALI AFZAL K	1A	P	P	P	P	P	P	P	P	P	P
36	R20ER036	PRAHARSH S	1A	P	P	P	P	P	P	P	P	P	P
37	R20ER037	RAGHAVENDRA R S	1A	P	P	P	P	P	P	P	P	P	P
38	R20ER038	RITU RAJ MOHANI	1A	P	P	P	P	P	P	P	P	P	P
39	R20ER039	SAMUEL DENNIS LOUIS X	1A	A	A	A	A	A	A	A	A	A	A
40	R20ER040	SPOORTI HANUMAREDDY REDDY	1A	P	P	P	P	P	P	P	P	P	P
41	R20ER041	SRIVALLI U	1A	P	P	P	P	P	P	P	P	P	P
42	R20ER042	TEJASWI G M	1A	P	P	P	A	P	P	P	P	P	P
43	R20ER043	VEERESH	1A	P	P	P	P	P	P	P	P	P	P
44	R20ER044	VIVEK E S	1A	P	P	P	P	P	P	P	P	P	P

*[Signature]*  
 Coordinators

*[Signature]*  
 Director, ME

Total students from A section = 44  
Present = 43  
Absent = 01



**REVA UNIVERSITY**  
**SCHOOL OF MECHANICAL ENGINEERING**  
**SKILL DEVELOPMENT ACTIVITIES FOR FIRST SEMESTER STUDENTS**  
**ATTENDANCE DETAILS FOR**  
**PYTHON PROGRAMMING WITH REAL-TIME INDUSTRIAL APPLICATION**



Dates: 12.03.2021 to 16.03.2021

Timings: 8.30 AM to 4.30 PM

S.No	SRN	NAME OF STUDENT	Dates Sem & Sec	12.03.2021		13.03.2021		14.03.2021		15.03.2021		16.03.2021	
				MS	AS	MS	AS	MS	AS	MS	AS	MS	AS
1	R20ER045	DHANUSH BABU D S	1B	P	P	P	P	P	P	P	P	P	P
2	R20ER046	DHANUSH H S	1B	P	P	P	P	P	P	P	P	P	P
3	R20ER047	HARSHITH GOWDA T N	1B	P	P	P	A	A	A	P	P	P	P
4	R20ER048	JAGADISH M	1B	A	A	A	A	A	A	A	A	A	A
5	R20ER049	JYOTHI SWAROOP B	1B	P	P	P	P	P	P	P	P	P	P
6	R20ER050	K S AKASH	1B	P	P	P	P	P	P	P	P	P	P
7	R20ER051	KUNAL MUTHA A	1B	P	P	P	P	P	P	P	P	P	P
8	R20ER052	LIKITH GOWDA N A	1B	P	P	P	P	P	P	P	P	P	P
9	R20ER053	LOKESH ANIL V	1B	A	A	A	A	A	A	A	A	A	A
10	R20ER054	M PRAVEEN KUMAR	1B	P	P	P	P	P	P	P	P	P	P
11	R20ER055	MANNU MATAM AKASH	1B	P	P	P	P	P	P	P	P	P	P
12	R20ER056	MINUMANURI KOTLO SAIPRADEEP	1B	P	P	P	P	P	P	P	P	P	P
13	R20ER057	MOHAMMED AMEEN PASHA	1B	P	P	P	P	P	P	P	P	P	P
14	R20ER058	MUZAMMIL SAIT	1B	P	P	P	P	P	P	P	P	P	P
15	R20ER059	NITIN DUBEY	1B	P	P	P	P	P	P	P	P	P	P
16	R20ER060	PAPPASANI VARUN KUMAR	1B	P	P	P	P	P	P	P	P	P	P
17	R20ER061	PONUGUPATI KSHITIJ	1B	P	P	P	P	P	P	P	P	P	P
18	R20ER062	PRASANNA KUMAR	1B	P	P	P	A	A	P	P	P	P	P
19	R20ER063	PRITHVI E A	1B	P	P	P	P	P	P	P	P	P	P
20	R20ER064	RAHUL C REDDY	1B	P	P	P	P	P	P	P	P	P	P
21	R20ER065	RAHUL R PUJARI	1B	A	A	A	A	A	A	A	A	A	A
22	R20ER066	RAHUL S KADECHUR	1B	P	P	P	P	P	P	P	P	P	P
23	R20ER067	ROHITH N	1B	P	P	P	P	P	P	P	P	P	P
24	R20ER068	S R SHREE KIRAN	1B	P	P	P	P	P	P	P	P	P	P
25	R20ER069	SACHITANAND REDDY P	1B	P	P	P	P	P	P	P	P	P	P
26	R20ER070	SAGAR PANDURANG KAMBAR	1B	P	P	P	P	P	P	P	P	P	P
27	R20ER071	SAIRAM REDDY HEGADE	1B	A	A	A	A	A	A	A	A	A	A
28	R20ER072	SAMANYU H S	1B	P	P	P	P	P	P	P	P	P	P
29	R20ER073	SHAIK NOOR MOHAMMED	1B	A	A	P	P	P	P	P	P	P	P
30	R20ER074	SHANKAR ASHOK JUMANAL	1B	P	P	P	P	A	A	P	P	P	P
31	R20ER075	SHASHANK K M	1B	P	P	P	A	A	A	P	P	P	P
32	R20ER076	SREEHARI V S	1B	P	P	P	P	P	A	P	P	P	P
33	R20ER077	SUHAS PATIL B	1B	P	P	P	P	P	P	P	P	P	P
34	R20ER078	SUIJITH KUMAR S	1B	P	P	P	P	P	A	P	P	P	P
35	R20ER079	SUJNAN M P	1B	P	P	P	P	A	A	P	P	P	P
36	R20ER080	SWAMI POOJA SHANKAR	1B	P	P	P	P	P	P	P	P	P	P
37	R20ER081	TEJAS OOMMEN PHILIPOSE	1B	P	P	P	P	P	P	P	P	P	P
38	R20ER082	VEDANTH P	1B	P	P	P	P	P	P	P	P	P	P
39	R20ER083	VEERABHADRA S RONAD	1B	P	P	P	P	P	P	P	P	P	P
40	R20ER084	VINUJITH M	1B	P	P	P	P	P	P	P	P	P	P
41		GAGAN	1B	P	P	P	A	P	P	P	P	P	A

*[Signature]*  
 Coordinators

*[Signature]*  
 Director, ME

Total students from B section = 41  
 Present = 37  
 Absent = 04

Total students from mechanical Engineering branch = 80



Aqmenz Automation  
Private Limited



## CERTIFICATE OF COMPLETION

*This is to certify that*

*ARUN R KAPARTHY*

*Student of REVA University has Successfully completed Skill Development Course on "Python Programming with Real-Time industrial Applications" in association with UIIC from 12.03.2021 to 16.03.2021.*

Certificate issue No: AW / 6800 / FY2021

Mohammed Azhar Hussain  
Chief Technology Officer (CTO),  
AQMENZ Automation Pvt. Ltd.,  
Bangalore - 560032



[www.indoskill.in](http://www.indoskill.in)



Mohan V S  
Chief Executive Officer (CEO),  
AQMENZ Automation Pvt. Ltd.,  
Bangalore - 560032

Report on  
**“Python Programming with Real-Time Industrial Applications”**

**School:** Mechanical Engineering

**Semester:** I

**Date:** 12<sup>th</sup> March to 16<sup>th</sup> March 2021

**Year:** 2021.

The School of Mechanical Engineering has organised Skill Development Program for enhancing the skill of the students on “Python Programming with Real-Time Industrial Applications” from 12<sup>th</sup> March to 16<sup>th</sup> March 2021. Around 125 students of 1<sup>st</sup> semester Mechanical Engineering & Mechatronics Engineering students were participated in the event.

An introduction to Python’s core language features that form part of universal toolkit for tasks ranging from initial data exploration to extensible application development. We’ll introduce Python’s built-in data structures, including how and where each might be used and what trade-offs are present, and we’ll cover Python’s looping and control flow constructs. Along the way we’ll provide insight into Python’s design choices that will help you understand why Python works the way it does. The sessions were conducted to provide the students with a sense of learning programming languages in an engaging way with an industry perspective.

**ABOUT THE COMPANY:**

Aqmenz Automation Private Limited was incorporated on 15th October 2018. It is classified as a Non-Govt. company and is registered at Registrar of companies(RoC), Bangalore. It is founded by Mohan V S(CEO) and Mohammed Azhar Hussain (CTO), both have 10 years Industrial Experience in SPM (Special Purpose Machines), Product Design, Industrial Automation, Robotics and Embedded Systems. INDOSKILL is a one-on-one training platform, powered by Aqmenz Automation private limited, currently providing skill-oriented training to students on Real-time Industrial Projects.

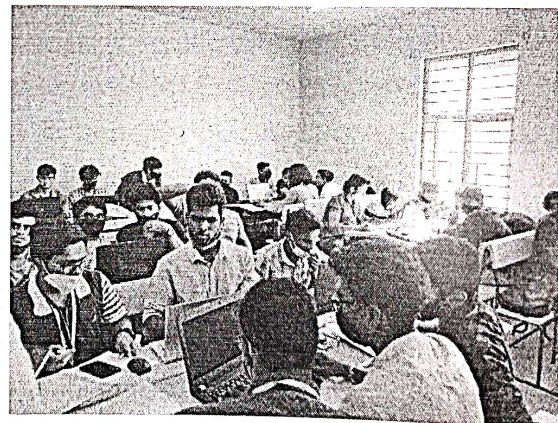
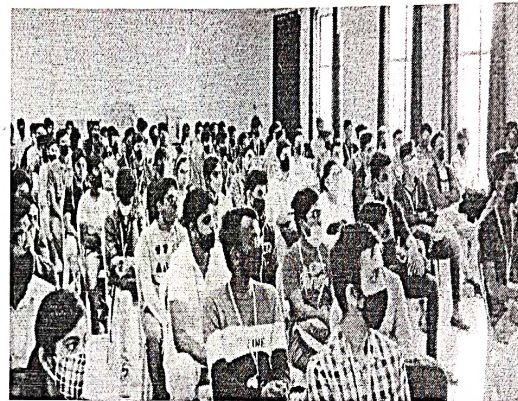
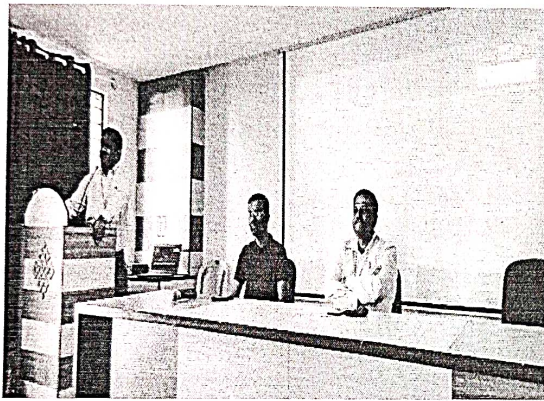
Motto and Vision are to create awareness & training young generation to current and future jobs demand and also help to current and future jobs demands; meanwhile help the students and employees to meet the mandatory necessities of future human resources and skill demands. We are in the 4th industrial revolution. The technological revolution is catastrophic like never before, hence continues awareness for the up-gradation environment is much essential. Aqmenz Automation Pvt. Ltd. is working to help and enhance the potential of students and

employees. So that future human resources will be very beneficial, purposeful and profitable to the nation.

Main Objectives of Workshop are:

1. Get Introduced to Python Programming
2. Learn basic concept of Python Programming
3. Learn Python Code porting to Microcontroller Board & Experience Real-time Output
4. Get Hands-on Experience of Python Programming on Hardware
5. Solves the Real-Time Industry Application Projects
6. Student will Learn Python Libraries & its Usage with Microcontroller
7. Get Introduced to Basic Concepts behind Machine Learning & Deep Learning

**PHOTOGRAPHS OF THE EVENT:**



*Pavank* 19/03/21  
*Arjun* 19/03/21  
Faculty Members

*[Signature]*  
Director, ME

*[Signature]*  
Vice-Chancellor  
REVA University, Rukmini Knowledge Park  
Kattigenahalli, Yelahanka, Bengaluru-560 064

*[Signature]*  
Registrar  
REVA University  
Bengaluru - 560 064