



|| Jai Sri Gurudev ||
Sri Adichunchanagiri Shikshana Trust *

SJC INSTITUTE OF TECHNOLOGY

Chickballapur – 562 101

Estd: 1986

Department of ELECTRONICS & COMMUNICATION ENGG..

Report on

3 Days Hands-on Workshop

On

“Python Coding with Application Projects & Solutions”

The workshop is conducted from 4th Feb 2022 to 6th Feb 2022 in virtual mode. The workshop was aimed to give practical exposure in python programming. The Resource persons are 1. Mohammed Azhar Hussain, CTO, Indo Skills and 2. Mohan Shamanna, Chief Mentor, Indo Skills

Objectives:

- Get Introduced to Python Programming
- Learn basic concepts of Python Programming
- Get Hands-on Experience of Python Programming with Applications
- Solves the Real-Time Industry Application Projects
- Student will Learn Python Libraries & its Usage

Outcomes:

At the end of the workshop students will be able to

- Understand the Python Programming basics and platforms
- Interpret the Python Libraries and Machine Learning
- Apply the programming concepts 15 Industry related Hands-on Application Projects using Python
- Students will solve Students will get Brief Idea about Machine Learning

Course Sessions Details with content of the workshop:

Day	Session	Time	Content	
Day-1	Morning Session	9:45am-10:00am	Inaugural	
		10:00am-12:30pm	Introduction to scope & importance of Coding	
			Brief Introduction about python Programming & Applications	
			Anaconda Software Installation & Usage	
			Basic concepts of Python data types & Example programs	
	Lunch Break			
	Afternoon Session	1:30pm – 4:00pm	Arithmetic Operators & Example Projects	
			Conditional Operators	
			Control statements-If elif else	
			Slicing Concept in Python	
Project: Number Plate Recognition System				
Day-2	Morning Session	10:00am-12:30pm	Logical Operators & Example Projects	
			Project: Two way switch Control	
			Project: BMI Calculator	
			String operations – len, upper & lower	
			Lunch Break	
	Afternoon Session	1:30pm – 4:00pm	Membership Operators – in, not in	
			Loops – For loop with Examples	
			Project: Count of Character occurrence in String	
			While loop Usage & Applications	
			Project: Secured password Machine Control	
Structured Data Types – List, Tuple & Dictionary				
Day-3	Morning Session	10:45am-12:50pm	List & its usage with Examples	
			List Methods – append, extend, insert, remove, etc.,	
			Project: Average Height Calculation from Dataset	
			Tuple & its usage with Examples	
			Dictionaries & its methods	
	Exceptional Handling with 'try-except'			
	Afternoon Session	1:30pm – 3:30pm	Lunch Break	
			Functions concepts & Application programs	
			Project: Temperature Celsius to Fahrenheit Conversion	
			Lambda Function and Examples	
Module concept used in python				
Pre-built Modules - time, math				
Valedictory	3:30pm - 4:00pm	Students Feedback Session & Vote of Thanks		

Note: By making a group of Three(03) students each group will be provided with a Hands-on Hardware Kit to have hands-on experience in Python Coding.

Coordinators:

1. Madhukara S
2. Manjula K

Balish
HOD 02/222

IndoSkill Feedback Form
Cumulative Report



Batch: 3rd Semester, ECE
Department of Electronics & Communication Engineering
SJC Institute of Technology
Workshop: Python Coding with Application Projects & Solutions
Date: 4th to 6th February 2022
Total Responses: 167
Rating: 5 – Excellent, 4 - Very Good, 3 – Good, 2 – Fair, 1 – Poor

Sl no	Questions	Overall Rating
1	The content shared was valuable and was clear and to the level of my understanding	4.78
2	The training is applicable to my role and will support me in my functional role	4.76
3	The trainer was able to give me hands-on experience and demo which made it easier for me to follow	4.75
4	The training was structured and time management was well planned	4.79
5	How knowledgeable was the trainer	4.81
6	The presentation was good and queries/doubts raised were answered	4.77
7	Overall Rating	4.78

Feedback link:

<https://docs.google.com/forms/d/18Uh2TqJRhYx75XJtU11gPnKZyLi0n6GYqInmWryquKU/edit?usp=sharing>

Response link:

https://docs.google.com/spreadsheets/d/1TsFV7obssqXJjaFFJhHNOfx3Ka_1C9V_LDiGOAy8--A/edit?usp=sharing



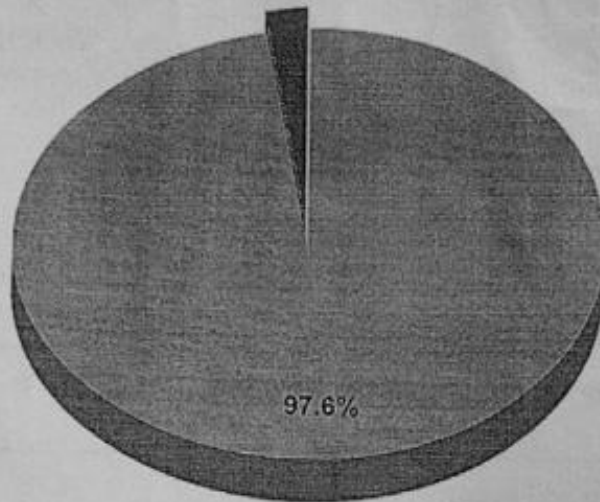
www.IndoSkill.in

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

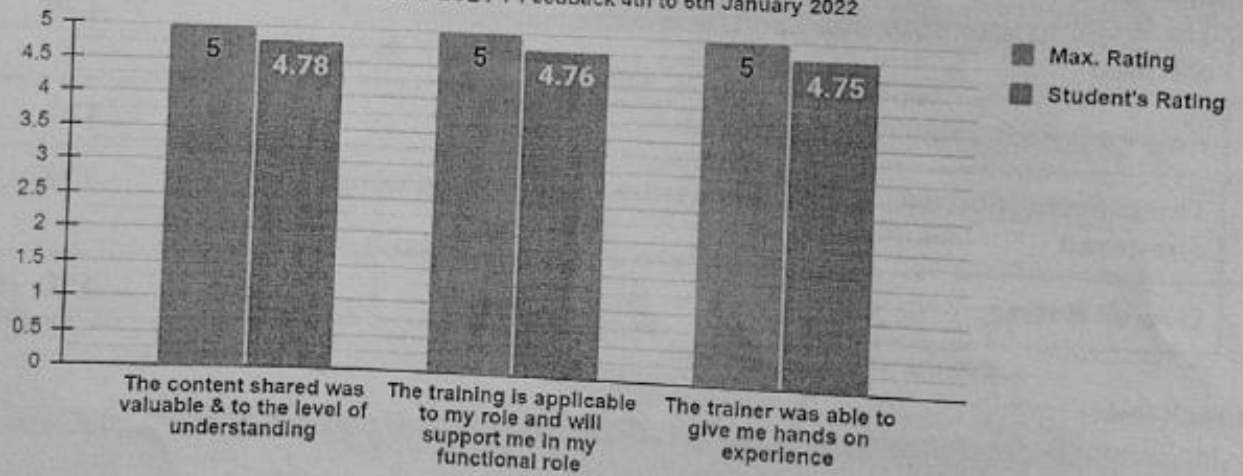
Student's Feedback:

SJCIT ECE PY Feedback 4th to 6th January 2022

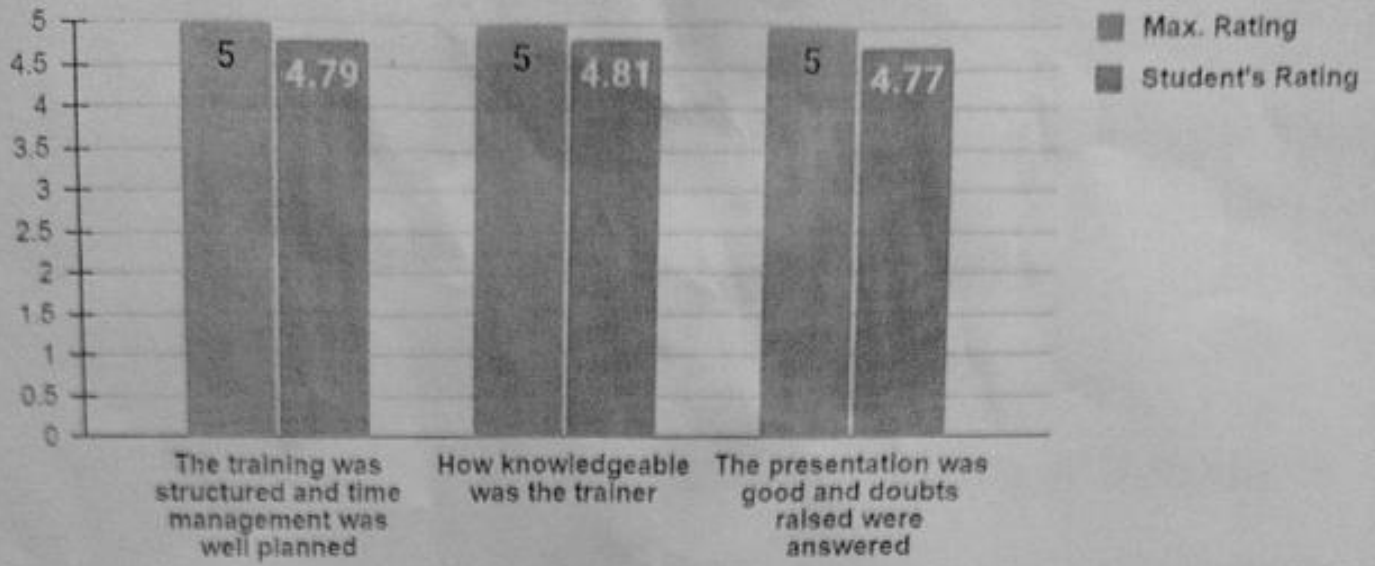
- Intersted Students in Machine Learning
- Not Intersted Students in Machine Learning



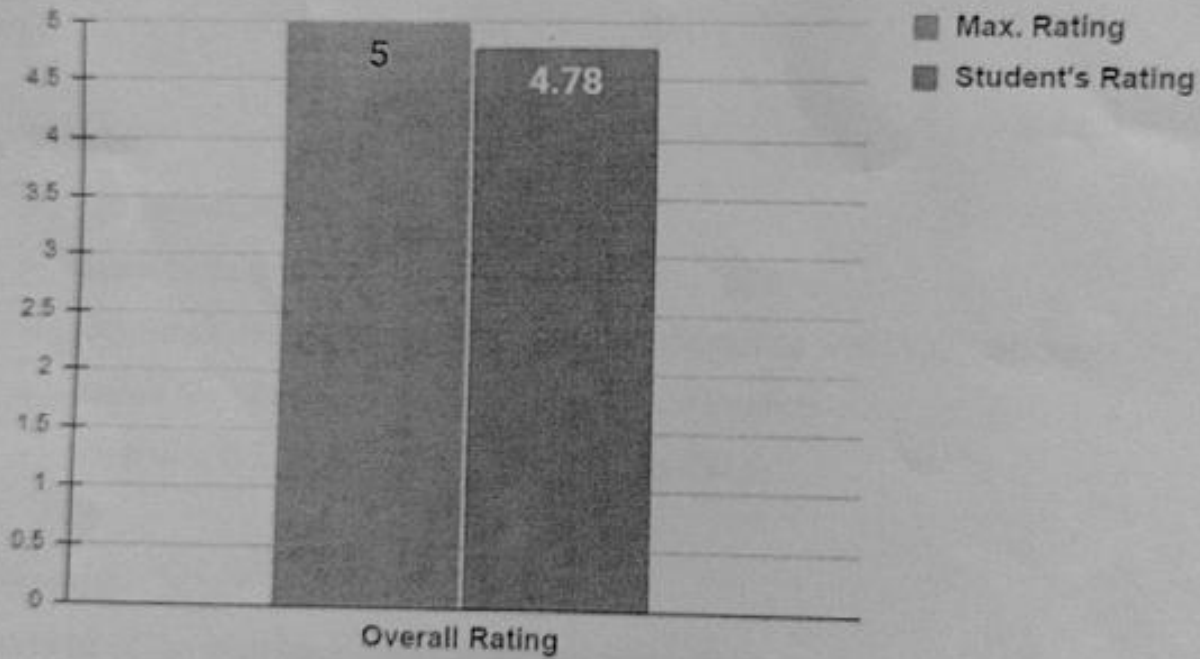
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M. Ashwani S
11/2/22

B. N. Chakraborty
11/02/2022