BABA FARID COLLEGE OF ENGG. & TECHNOLOGY

Advance Python Programming

Name of the Program	Duration	Documents (Topic Covered in report is Curriculum)	Page No.
Advance Python Programming	32 Hours	List of the students enrolled(with signature of students)	1
		Model certificates	2-4
		Reports showing assessment procedures and Curriculum	5-7

*Topic Covered in report is Curriculum

Baba Farid College of Engineering & Technology (Attendance Register)

Program : B.TECH. Computer Science Engineering , Semester 6th

Teacher Name: Er. Sukhwinder singh

Subject : Advance python programming (CC_APP) (Lab-2 Hours)

Session : 2021-22 (Even Sem)

S. No.	UID	Name	17-03-2022	18-03-2022	24-03-2022	25-03-2022	31-03-2022	07-04-2022	08-04-2022	21-04-2022	22-04-2022	28-04-2022	29-04-2022	05-05-2022	06-05-2022	12-05-2022	13-05-2022	19-05-2022	20-05-2022	26-05-2022	27-05-2022	02-06-2022	Total lectures	Classes Attended	Student Signature
1	1972002	Prtibha	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	40	Pritibha
2	1972007	Arshpreet Singh	Present	Present	Absent	Present	Present	Present	Present	Absent	Present	Present	Absent	Present	Present	Absent	Present	Present	Present	Present	Present	Present	40	32	Arsh
3	1972010	VIKRAM KUMAR	Present	Present	Present	Absent	Present	Present	Absent	Present	Present	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	40	34	Vikar
4	1972011	MANINDER SINGH	Present	Present	Present	Present	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Absent	Present	Present	Present	Present	Present	40	36	Maninde
5	1972012	GUNJA SHAH	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	36	Gunjay
6	1972015	HIMANSHU CHHIMPA	Absent	Present	Absent	Present	Present	Present	Present	Present	Absent	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	32	Himanshu
7	1972016	Vikas Bawa	Absent	Present	Present	Absent	Present	Present	Absent	Present	Absent	Present	Present	Absent	Present	Present	Absent	Present	Present	Present	Present	Present	40	28	v.kash
8	1972021	MOHAMMAD NAUSHAD A	Absent	Present	Present	Absent	Present	Present	Absent	Present	Absent	Present	Present	Absent	Present	Absent	Present	Present	Present	Present	Present	Present	40	28	m. nusha
9	1972022	Sammerpreet Singh	Absent	Present	Absent	Present	Present	Present	Absent	Present	Absent	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	30	Semmer
10	1972023	TANISH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	40	Tanish
11	1972024	SHWETA RANI Verma	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	40	Shweta
12	1972029	Shivani Dhir	Present	Present	Present	Present	Present	Present	Absent	Present	Present	Present	Present	Present	Absent	Present	Absent	Present	Present	Present	Present	Present	40	34	Shivani
13	1972030	JAGDEEP SINGH	Present	Present	Absent	Present	Present	Present	Absent	Absent	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	30	Jasdeep
14	1972036	RAMANDEEP KAUR	Absent	Present	Present	Absent	Present	Present	Absent	Present	Absent	Present	Present	Absent	Present	Present	Absent	Present	Present	Present	Present	Present	40	28	Raman
15	1972038	SATYAJEET KUMAR GUPTA	Present	Present	Present	Present	Present	Present	Absent	Absent	Present	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	40	34	Satya
16	1972041	Shivam Setia	Present	Present	Absent	Present	Present	Present	Present	Absent	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	34	Shivam
17	1972049	Kanhaiya Kumar	Present	Present	Present	Present	Present	Present	Absent	Present	Present	Present	Present	Present	Absent	Present	Absent	Present	Present	Present	Present	Present	40	34	.kanhiya
18	1972061	Alisha Bansal	Present	Present	Present	Absent	Present	Present	Present	Absent	Present	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	40	34	Alisha
19	1972067	Jitesh Kumar	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	40	Jitesh
20	1972070	PARDEEP SINGH	Present	Present	Present	Present	Present	Present	Absent	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	Present	Present	Present	Present	40	34	Pardeep
21	1972071	MUSKAN	Present	Present	Absent	Present	Present	Present	Present	Absent	Present	Present	Absent	Present	Present	Absent	Present	Present	Absent	Present	Present	Present	40	30	Muskan
22	1972073	Rajan Grover	Present	Present	Absent	Present	Present	Present	Present	Absent	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	34	Rajan
23	1972076	SANGITA	Present	Present	Present	Absent	Present	Present	Present	Absent	Present	Present	Absent	Present	Present	Absent	Present	Present	Present	Present	Present	Present	40	32	Sangita
24	1972077	Dipanshu Mittal	Present	Present	Absent	Present	Present	Present	Present	Absent	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	34	Dipansh
25	1972078	Sukhjinder Singh	Present	Present	Present	Present	Present	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	38	.Sukhjind
26	1972083	Shinderpal Kaur	Present	Present	Present	Absent	Present	Present	Present	Absent	Present	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	40	34	Shinder
27	1972089	Amandeep Kaur	Present	Present	Absent	Present	Present	Present	Absent	Absent	Present	Present	Absent	Present	Absent	Present	Present	Present	Present	Present	Present	Present	40	30	Aman
28	1972090	Pinki kaur	Absent	Present	Absent	Present	Present	Present	Absent	Present	Absent	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	30	Pinki
29	1972091	Dipak sah	Present	Present	Present	Present	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	38	Dipak
30	1972093	pushkar goyal	Present	Present	Present	Present	Present	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	38	Puskar
31	1972095	Asha Kumari	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	40	Asha
32	1972103	Kabir Solanki	Absent	Present	Absent	Present	Present	Absent	Present	Absent	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	30	kabar
33	1972104	Manpreet Kaur	Present	Present	Absent	Present	Present	Present	Present	Absent	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	34	Manpeet
34	1975026	Labh Singh	Present	Present	Present	Present	Present	Absent	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	36	Labh
35	1975029	SACHIN SHARMA	Present	Present	Present	Present	Present	Present	Present	Absent	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	40	38	Sachin

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BABA FARID COLLEGE
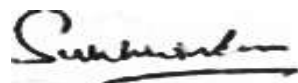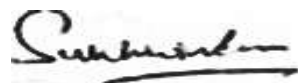## OF ENGINEERING AND TECHNOLOGY
Muktsar Road, Bathinda, Punjab (India)

(Approved by AICTE & Affiliated to Maharaja Ranjit Singh Punjab Technical University, Bathinda)

CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. **Prtibha** UID **1972002** Program **B. Tech Computer Science & Engineering, Semester 6th** has successfully completed certificate course on **"Advance Python Programming"** which was organized by Department of Computer Science & Engineering, Baba Farid College of Engineering and Technology, Bathinda during Session 2021-22 (EVEN Semester).

Er. Sukhwinder Singh
Course Coordinator
Department of CSE

BABA FARID
GROUP OF INSTITUTIONS
Bathinda, Punjab(India)

Dr. Nimisha Singh
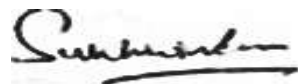**Head**
Department of CSE

BABA FARID COLLEGE
OF ENGINEERING AND TECHNOLOGY
Muktsar Road, Bathinda, Punjab (India)

(Approved by AICTE & Affiliated to Maharaja Ranjit Singh Punjab Technical University, Bathinda)

CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. **Arshpreet Singh** UID **1972007** Program **B. Tech Computer Science & Engineering, Semester 6th** has successfully completed certificate course on **"Advance Python Programming"** which was organized by Department of Computer Science & Engineering, Baba Farid College of Engineering and Technology, Bathinda during Session 2021-22 (EVEN Semester).

Er. Sukhwinder Singh
Course Coordinator
Department of CSE

BABA FARID
GROUP OF INSTITUTIONS
Bathinda, Punjab(India)

Dr. Nimisha Singh
Head
Department of CSE

BABA FARID COLLEGE
OF ENGINEERING AND TECHNOLOGY
Muktsar Road, Bathinda, Punjab (India)

(Approved by AICTE & Affiliated to Maharaja Ranjit Singh Punjab Technical University, Bathinda)

CERTIFICATE OF COMPLETION

This is to certify that Ms./Mr. **VIKRAM KUMAR** UID **1972010** Program **B. Tech Computer Science & Engineering, Semester 6**th has successfully completed certificate course on **"Advance Python Programming"** which was organized by Department of Computer Science & Engineering, Baba Farid College of Engineering and Technology, Bathinda during Session 2021-22 (EVEN Semester).

Er. Sukhwinder Singh
Course Coordinator
Department of CSE

BABA FARID
GROUP OF INSTITUTIONS
Bathinda, Punjab(India)

Dr. Nimisha Singh
Head
Department of CSE

Report
On

Advance Python Programming

Eligible Student: B.Tech 6th Semester

Date: 17-03-2022 to 02-06-2022

Duration of Course: 32 Hours

Course Code- CC_APP

No. of Students Enrolled in the course: 35

Timing: 01:50 pm to 03:20 pm

Days: Thursday & Friday

Course Coordinator: Er. Sukhwinder Singh, Assistant Professor (CSE)

The "Python Programming" course was conducted for the 6th semester students pursuing B.Tech. in Computer Science & Engineering. The course duration was 32 hours, where 35 enrolled students successfully completed the course. Python, a widely used general-purpose programminglanguage known for its readability and efficiency, was the primary focus of the course. Students were introduced to the fundamentals of Python and its applications in various fields.

Topic Covered:
Module 1: Python environment setup and basic plot manipulation.

Module 2: Working with lists, arrays, and image manipulation using arrays.

Module 3: Matrix operations, loops, tuples, dictionaries, and basic datatypes.

Module 4: Functions, Python modules, scripting, testing, debugging, and error handling.

Module 5: Introduction to Python Django, models, views, URLs, HTML templates, database queries, forms, and web authentication.

Assessment Procedure:

The students were evaluated throughout the course based on four parameters: Technical Knowledge, Hands-on Practice, Skill Test, and Attendance. Each parameter carried a certain weightage in the overall evaluation.

1. Technical Knowledge in Concerned Field (20 marks):

This parameter measured their theoretical knowledge, conceptual understanding, and ability to apply that knowledge to practical scenarios.

2. Hands-on Practice (10 marks):

Hands-on practice evaluated the student's ability to apply their knowledge in practical situations. It measured their proficiency in utilizing tools, techniques, or software relevant to the course.
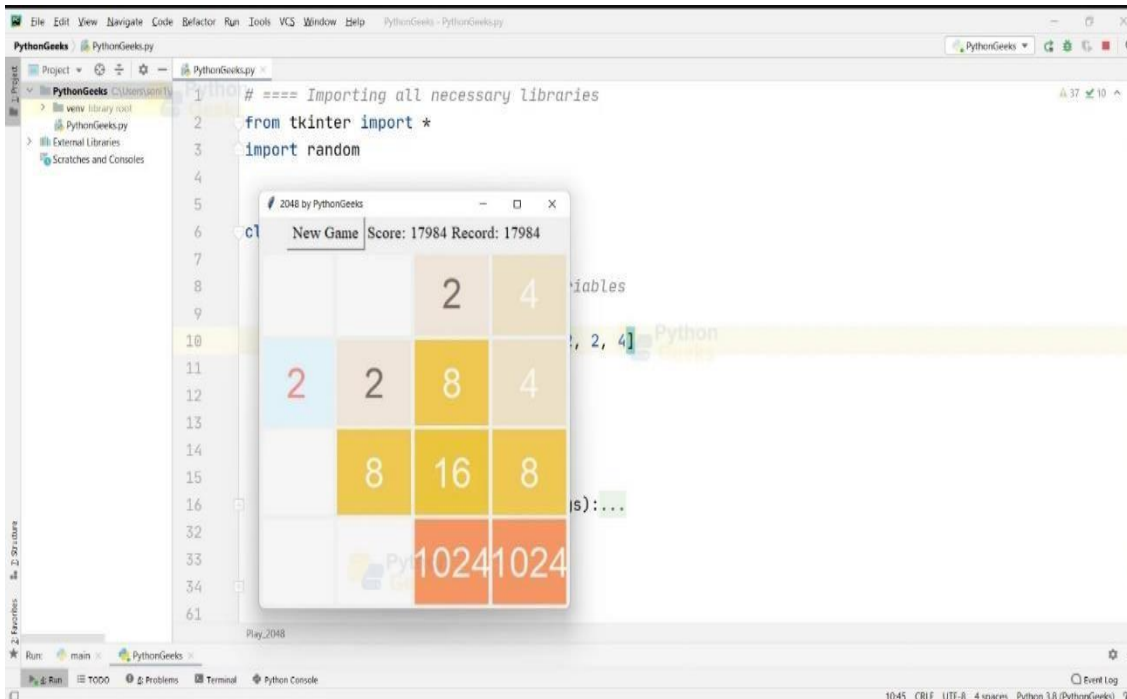
3. Skill Test (10 marks):

The skill test assessed the student's competency and proficiency in specific skills related to the course. It focused on practical skills that were essential for the field of study.

4. Attendance (10 marks):

Attendance refers to the student's regular presence in the course. It emphasizes the importance of active participation and consistent engagement throughout the duration of the program.

Outcomes:

1. Students gained the necessary knowledge and skills to work effectively with Python programming language across various domains.

2. Students acquired the ability to perform numeric and symbolic computations using Python. They learned techniques for handling complex mathematical operations and calculations.

3. Students learned how to create and manipulate graphs using Python. They gained proficiency in plotting 2D and 3D graphs, enabling them to visually represent data and analyze trends.

4. The course equipped students with the fundamentals of web development using Python. They learned concepts and techniques for developing web applications, utilizing frameworks such as Django.

5. Through practical exercises and projects, students gained hands-on experience working with various Python modules. They became proficient in selecting and utilizing the right modules to enhance their engineering activities.

Screenshot of Python 2048 Game