

Dr. B. H. Nanwani Director

# SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

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Affiliated to Savitribai Phule Pune University, NAAC Accredited with "B+" Grade Institute Codes: SPPU: IMMP016030, D.T.E.: 6614, AISHE: C-44578, AICTE: 1-21641511

# IT21L – Practical on Python Programming and Advanced Internet Technologies

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# A PRACTICAL ON

(IT21L)

**Python Programming &** 

**Advanced Internet Technologies** 

**SUBMITTEDBY** 

Sakshi Nitin Chaudhari

**SUBMITTEDTO** 

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

MASTER OF COMPUTER APPLICATION(SEM-II)

UNDER THE GUIDANCE OF

Dr.Kalpana Salunkhe & Dr.Rajesh Kashyap

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001





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6. Koregaon Road, Pune - 411001 Ph. 020-26054471/91 Fax. 020-26054481 Approved by A.I.C.T.E. (Unaided-Private), Affiliated to S. P. Pune University Website: www.svuns-pune.edu in Email: director it svuns-pune.edu.in.

Certified by ISO 9001-2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. Sakshi Nitin Chaudhari of class MCA - I SEM II SeatNo.-13117----has completed all the practical in IT-21L - Python &Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr.Rajesh Kashyap HOD

Date:

Place:Pune

Sign of External Examiner

E NOREGICIA ROAD CESTO PORE ATTOM

Dr.BH Nanwani

DR. B. H. NANWANI Director

SADHU VASIKAN INSTITUTE OF HAMAGEMENT STUDIES FOR GIRLS 8. KOREGAON ROAD, PUNE-411 001

# A PRACTICAL ON

(IT21L)

**Advanced Internet Technologies** 

&

**Python Programming** 

**SUBMITTED BY** 

Sayma Tamboli

**SUBMITTED TO** 

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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#### Certificate

This is to certify that Ms. Sayma Tamboli of class MCA - I SEM II Seat

No. 13156 has completed all the practical in IT-21L - Python &

Advanced Internet Technologies for the partial fulfilment of degree
Master of Computer Application as per prescribed syllabus of

Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Nanwani

Director

DR. B. H. NANWANI

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6. KOREGAON ROAD, PUNE-411 001

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# A PRACTICAL ON

(IT21L)

**Python Programming** 

&

# **Advanced Internet Technologies**

SUBMITTED BY

**Pranali Pandurang Rokade** 

SUBMITTED TO

# SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

# MASTER OF COMPUTER APPLICATION (SEM-II)

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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### Certificate

This is to certify that Ms. Pranali Pandurang Rokade of class MCA - I SEM II Seat No. 13145 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Nanwani

Director

DR. B. H. NANWANI

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

6. KOREGAON ROAD, PUNE-411 001

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#### A Practical on

#### **Advance Internet Technologies**

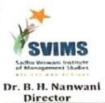
SUBMITTED BY
Miss. Kadlag
Saumitee vijay
Seat no: 13129

# SUBMITTED TO SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE IN PARTIAL FULFILLMENT OF DEGREE MASTER OF COMPUTER APPLICATION (SEM-II)

UNDER THE GUIDANCE OF **Dr. Rajesh Kashyap**Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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#### Certificate

This is to certify that Ms. Saumitee Vijay Kadlag. of class MCA - I has completed all the practical in IT-21L SEM II Seat No. 13/29 - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

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Place: Pune

Dr. B H Nanwani

Director

DR. B. H. NANWANI

DIRECTOR

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS 6. KOREGAON ROAD, PUNE-411 001

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A

Practical on

(IT21L)

ADVANCED INTERNET TECHNOLOGIES

&

**PYTHON PROGRAMMING** 

SUBMITTED BY

Miss. Sakshi Mohan Toraskar.

**SUBMITTED TO** 

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

MASTER OF COMPUTER APPLICATION (SEM-II)

UNDER THE GUIDANCE OF

Dr. Rajesh Kashyap & Dr. Kalpana Salunkhe

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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#### Certificate

This is to certify that Ms. Sakshi Toraskar of class MCA - I SEM II Seat No. 12147 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree-Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

KOREGAON ROAD

PUNE - 41100

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Date:

Place: Pune

Dr. B H Nanwani

Director

DR. B. H. NANWANI

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

6. KOREGAON ROAD, PUNE-411 001

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A

Practical on

**Advance Internet Technologies** 

&

**Python Programming** 

SUBMITTED BY

Miss. Pratiksha Manoj Jadhav

**SUBMITTED TO** 

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF

Dr. Rajesh Kashyap & Dr. Kalpana Salunkhe

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



### SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

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#### Certificate

This is to certify that Ms. Pratiksha Manoj Jadhav of class MCA - I SEM II Seat No. 13127 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

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Date:

Place: Pune

Dr. B H Nanwani

Director

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A

Practical on

**Advance Internet Technologies** 

&

**Python Programming** 

SUBMITTED BY

Miss. Kshitija Shankar Gaikwad

SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF

Dr. Rajesh Kashyap

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001





#### VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. Kshitija Shankar Gaikwad of class MCA - I SEM II Seat No. 13120 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

6, KOREGAON ROAL

HOD

Date:

Place: Pune

Dr. B H Nanwani

Director

DR. B. H. NANWANI

DIRECTOR
SADHU VASWARU INSTITUTE OF HANAGEMENT STUDIES FOR GIRLS

Sign of External Examiner

A PRACTICAL ON

(IT21L)

**Python Programming** 

&

**Advanced Internet Technologies** 

SUBMITTED BY

**Sneha Kamat** 

SUBMITTED TO

#### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

MASTER OF COMPUTER APPLICATION (SEM-II)

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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#### Certificate

This is to certify that Ms. Sneha Kamat of class MCA - I SEM II Seat has completed all the practical in IT-21L - Python & No. 13130 Advanced Internet Technologies for the partial fulfilment of degree-Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

MANAGEA

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

hawar

Dr. B H Nanwani

Director

DR. B. H. NANWANI

DIRECTOR SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS 6. KORECAON ROAD PRINE-111 001

Sign of External Examiner

#### A PRACTICAL ON

(IT21L)

#### **Python Programming**

&

#### **Advanced Internet Technologies**

SUBMITTED BY

MISS. YASHVANTI VINAYAK GUJAR

**SUBMITTED TO** 

#### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

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Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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#### Certificate

This is to certify that Ms. Yashvanti Vinayak Gujar of class MCA - I SEM II Seat No. 13125 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

MANAG

KOREGAON ROAD

Dr. Rajesh Kashyap

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# A PRACTICAL ON

(IT21L)

**Advanced Internet Technologies** 

&

**Python Programming** 

**SUBMITTED BY** 

Prachi Sunil Gaikwad

**SUBMITTED TO** 

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



#### Certificate

This is to certify that Ms. Prachi Sunil Gaikwad of class MCA - I SEM II Seat No. 13141 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree-Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Nanwan

Director

DR. B. H. NANWANI

DRECTOR
SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS
6, KGREGAON ROAD, PUNE-411 001

Sign of External Examiner

A PRACTICAL ON (IT21L)

Advance Internet Technologies & Python Programming

SUBMITTED BY
Miss. Mokshita Gaur
Seat no- 13122

SUBMITTED TO
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE
IN PARTIAL FULFILLMENT OF DEGREE
MASTER OF COMPUTER APPLICATION (SEM-II)

UNDER THE GUIDANCE OF **Dr. Rajesh Kashyap & Dr.Kalpana Saulankhe** Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



Dr. B. H. Nanwani Director

### SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

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Certified by ISO 9001 2015, SPPU Code: IMMP016030 D.T.E. Instead Code: 6614

#### Certificate

This is to certify that Ms. Mokshita Gaur of class MCA - I SEM II Seat No. 1512 2 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Nanwani

Director

DR. B. H. NANWANI

SADMU VASMANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS A. KOREGACK ROAD, FUNE 411 801

Sign of External Examiner

A PRACTICAL ON

(IT21L)

**Python Programming** 

&

**Advanced Internet Technologies** 

SUBMITTED BY

MISS. SAMRUDDHI ANANT SATAM

SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap
Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



Director

# SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

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#### Certificate

This is to certify that Ms. Samruddhi Anant Satam of class MCA - I SEM II Seat No. 13151 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Nanwani

Director

DR. B. H. NANWANI
DIRECTOR
SACHU VASNANI INSTITUTE OF KANAGERENT STUDIES FOR COMES
6 NORSCHON ROZO PUNE 411 861

Sign of External Examiner

\_\_\_\_\_

A

PRACTICAL ON

(IT21L)

**Advanced Internet Technologies** 

&

**Python Programming** 

SUBMITTED BY

Nikita Ganesh Jannu

**SUBMITTED TO** 

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

MASTER OF COMPUTER APPLICATION (SEM-II)

UNDER THE GUIDANCE OF

Dr. Rajesh Kashyap & Dr. Kalpana Salunkhe

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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Certified by ISO 9001:2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. Nikita Ganesh Jannu of class MCA - I SEM II Seat No. 13138 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree-Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD



Dr. B H Nanwani

Director

DR. B. H. NANWANI

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS 6, KOREGAON ROAD, PUNE-411 001

Date:

Place: Pune

Sign of External Examiner

47

PRACTICAL ON

(IT21L)

# Python Programming

8

# Advanced Internet Technologies

SUBMITTED BY

Jayanti Pandurang Rokade

SUBMITTED To

# SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE .

MASTER OF COMPUTER APPLICATION (SEM-II)

UNDER THE GUIDANCE OF

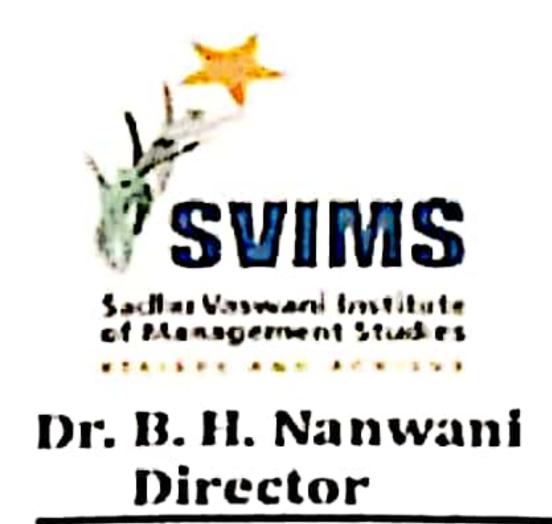
Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001

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Certified by ISO 9001:2015. SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

# Certificate

This is to certify that Ms. Jayanti Pandurang Rokade of class MCA - I SEM II Seat No. 13146 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Nanwani

Director DR. B. H. NANWANI DIRECTOR

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS 6. KOREGAON ROAD, PUNE-411 001

Sign of External Examiner

Sign of Internal Examiner

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A

Practical on

(IT21L)

ADVANCED INTERNET TECHNOLOGIES

8

**PYTHON PROGRAMMING** 

SUBMITTED BY

Miss.Gauri Tukaram Khaire.

SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

MASTER OF COMPUTER APPLICATION (SEM-II)

UNDER THE GUIDANCE OF

Dr. Rajesh Kashyap & Dr.Kalpana Salunkhe

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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 Website: www.svims.come.edu.in. Email: director@svims-pune.edu.in.

Certified by ISO 2001-2015 SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. Gauri Khaire of class MCA - I SEM II Seat No. 13134 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree-Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Nanwani

Director DR. B. H. NANWANI

DIRECTOR

VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

6. KOREGAON ROAD, PUNE-411 001

Sign of External Examiner

(IT21L)

#### **Python Programming**

&

#### **Advanced Internet Technologies**

**SUBMITTED BY** 

Sakshi Shashikant Jadhav

**SUBMITTED TO** 

#### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

#### **MASTER OF COMPUTER APPLICATION (SEM-II)**

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap
Through,





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#### Certificate

This is to certify that Ms. SAKKSHI SHASHIKANT JADHAV of class MCA - I SEM II Seat No. 1314 & has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Nanwani

Director

DR. B. H. NANWANI

DIRECTOR

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS 6, KOREGAON ROAD, PUNE-411 001

Sign of External Examiner

A PRACTICAL ON (IT21L)

Advance Internet Technologies & Python Programming

SUBMITTED BY
Miss. Geetanjali Kamanboina
Seat no- 13123

SUBMITTED TO
SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE
IN PARTIAL FULFILLMENT OF DEGREE
MASTER OF COMPUTER APPLICATION (SEM-II)

UNDER THE GUIDANCE OF **Dr. Rajesh Kashyap & Dr. Kalpana Saulankhe** Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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#### Certificate

This is to certify that Ms. Geetanjali Kamanboina of class MCA - I SEM II Seat No. 1312-2— has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Dr. B H Nanwani

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DR. B. H. NANWANI

SACHU VASIMILI

CUMAGEMENTS

Place: Pune

Date:

Sign of External Examiner

Sign of Internal Examiner

THE STUDIES FOR DRES

(IT21L)

#### **Python Programming**

&

#### **Advanced Internet Technologies**

SUBMITTED BY

Ms. Pratiksha Ramesh Chavan

**SUBMITTED TO** 

#### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

#### **MASTER OF COMPUTER APPLICATION (SEM-II)**

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap Through,



Sadhu Vaswani Institute of Management Studies for Girls,

Koregaon Park, Pune-411001



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 Website: www.svims-punc.edu.in Email: director@svims-punc.edu.in.

Certified by ISO 9001:2015, SPPU Code; IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. Pratiksha Ramesh Chavan of class MCA - I SEM II Seat No. 13118 has completed all the practical in IT-21L Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap HOD

Date:

Place: Pune

6. KOREGACA ROAD STUDIES STUDI

Sign of External Examiner

Dr. B H Nanwani

Director

DR. B. H. NANWANI

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

6. KOREGAON ROAD, PUNE-411 001

A

Practical on

**(IT21L)** 

ADVANCED INTERNET TECHNOLOGIES

&

**PYTHON PROGRAMMING** 

**SUBMITTED BY** 

Miss Radhika Ranjit Patil.

**SUBMITTED TO** 

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

MASTER OF COMPUTER APPLICATION (SEM-II)

UNDER THE GUIDANCE OF

Dr. Rajesh Kashyap & Dr. Kalpana Salunkhe

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



Dr. B. H. Nanwani Director

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#### Certificate

This is to certify that Ms. Radhika Patil of class MCA - I SEM II Seat No. 13143 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree-Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date: 25/05/24

Place: Pune

Dr. B H Nanwani

Director DR. B. H. NANWANI

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS 6. KOREGAON ROAD. PUNE-411 001

Sign of External Examine

(IT21L)

**Python Programming** 

&

**Advanced Internet Technologies** 

SUBMITTED BY

Sanskruti Sangram Bede

**SUBMITTED TO** 

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap

Through,



Sadhu Vaswani Institute of Management Studies for Girls,

Koregaon Park, Pune-411001 2023-24



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Certified by ISO 9001:2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. Sanskruti Bede of class MCA - I SEM II Seat No. 13114 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree-Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Nanwani

Director

DR. B. H. NANWANI

SADHU VASWARE INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS
1. KORESAGN ROAD, PUNE 411 991

Sign of External Examiner

A

PRACTICAL ON
(IT21L)

Python Programming



# Advanced Internet Technologies SUBMITTED BY RIYA SANJAY BHISMIRE

#### **SUBMITTED TO**

#### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

MASTER OF COMPUTER APPLICATION (SEM-II)
UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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#### Certificate

This is to certify that Ms. RIYA BHISMIRE of class MCA - I SEM II

Seat No. \_\_L3LLS\_\_\_ has completed all the practical in IT-21L 
Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Nanwani

Director

DR. B. H. NANWANI

SADHU VASWAMI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

5. KOREGAON ROAD, PUNE-411 001

Sign of External Examiner

(IT21L)

#### **Python Programming**

&

#### **Advanced Internet Technologies**

SUBMITTED BY

Saniya Shabbir Qureshi

**SUBMITTED TO** 

#### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap
Through,





#### INSTITUTE SADHU VASWANI MANAGEMENT STUDIES FOR GIRLS

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Comflect by ThO 0001:2013, SPPCI Code: ININIPO18030 D.T.E. Inorious Code: 6614

#### Certificate

This is to certify that Ms. Saniya Shabbir Qureshi of class MCA - I SEM II Seat No. 1319 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree-Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

5. KOREGAON ROAD

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Nanwani

Director

DR. B. H. NANWANI

DIRECTOR
SADJUNASWAN INSTITUTE OF WARAGEVERY STUDIES FOR GIRLS
E KORESADI ROAD PURE AT 101

Sign of External Examiner

(IT21L)

**Python Programming** 

&

**Advanced Internet Technologies** 

**SUBMITTED BY** 

Pooja Anil Joshi

**SUBMITTED TO** 

#### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap
Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



Certified by ISO 9001:2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. Pooja Anil Joshi of class MCA - I SEM II Seat No. 13140 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree-Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Nanwani

Director

DR. B. H. NANWANI

DIRECTOR
SADHU VASWANIHIST TUTE OF MANY DEMENT STUDIES FOR GIRLS
R, NORLESADA HEAD, MINERAL BOT

Sign of External Examiner

(IT21L)

#### **Python Programming**

&

#### **Advanced Internet Technologies**

SUBMITTED BY

#### **GHULE KOMAL BALIRAM**

**SUBMITTED TO** 

#### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

#### **MASTER OF COMPUTER APPLICATION (SEM-II)**

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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#### Certificate

This is to certify that Ms. GHULE KOMAL BALIRAM of class MCA - I SEM II Seat No. 13124— has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap HOD 6 KORECHON ROAD PLANE - 411001

Dr. B H Nanwani

Director DR. B. H. NANWANI

DIRECTOR
SADHU VASMANI INSTITUTE OF MAINAGEMENT STUDIES FOR GIRLS
4 KOREGRON ROAD PUNE-411 881

Date:

Place: Pune

Sign of External Examiner

A

Practical on

(IT21L)

ADVANCED INTERNET TECHNOLOGIES

&

**PYTHON PROGRAMMING** 

**SUBMITTED BY** 

Miss. Jagruti Nandu Sandbhor.

**SUBMITTED TO** 

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

MASTER OF COMPUTER APPLICATION (SEM-II)

UNDER THE GUIDANCE OF

Dr. Rajesh Kashyap & Dr.Kalpana Salunkhe

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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#### Certificate

This is to certify that Ms. Jagruti Nandu Sandbhor of class MCA - I SEM II Seat No. 13143 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

MANAG

KOREGAON ROAD

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Nanwani

Director

DR. B. H. NANWANI

DIRECTOR
SADHU VASVIANI INSTITUTE OF WANAGEMENT STUDIES FOR GIRLS
5, KOREGAON ROAD, PUNE-411 901

Sign of External Examiner

(IT21L)

Python Programming & Advanced Internet Technologies

SUBMITTED BY

Minal NathaWaghmode
SUBMITTEDTO

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

MASTER OF COMPUTER APPLICATION(SEM-II)

UNDER THE GUIDANCE OF

Dr.Kalpana Salunkhe & Dr.Rajesh Kashyap

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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Centified by ISO 9001 2015 SPPU Code [MSIP016030 D.T.F. Institute Code 6614

#### Certificate

This is to certify that Ms. Minal Natha Waghmode of class MCA - I SEM II SeatNo. 13.159—has completed all the practical in IT-21L

 Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr.Rajesh Kashyap

HOD

Date:

Place:Pune

framar

Dr.BH Nanwani DR. B. H. NANWANI

Directobirector

SACHU VASWANI (IESTITUTE OF MENAGEMENT STUDIES FOR GRES

E KOREGAGN ROAD, PUNE-411 601

Sign of External Examiner

(IT21L)

Python Programming & Advanced Internet Technologies

SUBMITTED BY

Minal NathaWaghmode
SUBMITTEDTO

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

MASTER OF COMPUTER APPLICATION(SEM-II)

UNDER THE GUIDANCE OF

Dr.Kalpana Salunkhe & Dr.Rajesh Kashyap

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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Centified by ISO 9001 2015 SPPU Code [MSIP016030 D.T.F. Institute Code 6614

#### Certificate

This is to certify that Ms. Minal Natha Waghmode of class MCA - I SEM II SeatNo. 13.159—has completed all the practical in IT-21L

 Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr.Rajesh Kashyap

HOD

Date:

Place:Pune

framar

Dr.BH Nanwani DR. B. H. NANWANI

Directobirector

SACHU VASWANI (IESTITUTE OF MENAGEMENT STUDIES FOR GRES

E KOREGAGN ROAD, PUNE-411 601

Sign of External Examiner

(IT21L)

#### **Python Programming**

&

#### **Advanced Internet Technologies**

SUBMITTED BY

Sayali Shahaji Gaikwad

**SUBMITTED TO** 

#### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

#### **MASTER OF COMPUTER APPLICATION (SEM-II)**

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap Through,



Sadhu Vaswani Institute of Management Studies for Girls,

Koregaon Park, Pune-411001



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Certified by ISO 9001:2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. Sayali Shahaji Gaikwad of class MCA-I SEM-II

Seat No. 13121 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap HOD

Date:

Place: Pune

Dr. B H Nanwani

DR. B. H. NANWANI

SADHU VASWAMI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

5. KOREGADN ROAD, PUNE-411 001

Sign of External Examiner

(IT21L)

**Python Programming** 

&

Advanced Internet Technologies

**SUBMITTED BY** 

Ms. Sakshi Balkrushna Rode

SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

MASTER OF COMPUTER APPLICATION (SEM-II)

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap Through,



Sadhu Vaswani Institute of Management Studies for Girls,

Koregaon Park, Pune-411001



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Centified by ISO 9001:2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

# Certificate

This is to certify that Ms.Sakshi Balkrushna Rode of class MCA - I SEM II Seat No. 13144 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Nanwani

DRECTOR

SARHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS 6, KOREGAON ROAD, PUNE-411 001

GB

Sign of Internal Examiner

(IT21L)

**Python Programming** 

&

**Advanced Internet Technologies** 

SUBMITTED BY

AARTI SURENDRA MHASK E

SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



Dr. B. H. Nanwani Director

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Certified by ISO 9001:2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. Aarti Mhaske of class MCA - I SEM II Seat No. 13137 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree-Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date: 25/5/29

Place: Pune

Dr. B H. Nanwani

Director

DR. B. H. NANWANI

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

6. KOREGAON ROAD, PUNE-411 001

\$ ★ \$ \sight \( \)

Sign of External Examiner

Sign of Internal Examiner

GBal.

(IT21L)

**Python Programming** 

&

**Advanced Internet Technologies** 

**SUBMITTED BY** 

Srushti Bhosale

**SUBMITTED TO** 

#### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



Dr. B. H. Nanwani Director

# SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

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#### Certificate

This is to certify that Ms. Srushti Bhosale of class MCA - I SEM II

SeatNo. 13116 has completed all the practical in IT-21L - Python

& Advanced Internet Technologies for the partial fulfilment of degree
Master of Computer Application as per prescribed syllabus of

Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Narwani

Director

DR. B. H. NANWANI

DIRECTOR

SADWU VASSIANU HISTITUTE OF GANAGEMENT STUDIES FOR GIRLS

1, NOREGAON ROAD, PUNE 411 001

Sign of External Examiner

(IT21L)

#### **Python Programming**

&

#### **Advanced Internet Technologies**

SUBMITTED BY

Ms. Khushbu Pralhad Harle

**SUBMITTED TO** 

#### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

#### **MASTER OF COMPUTER APPLICATION (SEM-II)**

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap Through,



Sadhu Vaswani Institute of Management Studies for Girls,

Koregaon Park, Pune-411001



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#### Certificate

This is to certify that Ms.Khushbu Pralhad Harle of class MCA - I SEM II Seat No. 13126 has completed all the practical in IT-21L -Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap HOD

Date:

Place: Pune

DR. B. H. NANWANI DirectorRECTOR

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS 6. KOREGAON ROAD, PUNE-411 001

Sign of External Examiner

(IT21L)

Advanced Internet Technologies

And

**Python Programming** 

SUBMITTED BY

Miss. Chindarkar Amisha Rajendra SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

MASTER OF COMPUTER APPLICATION (SEM-II)

UNDER THE GUIDANCE OF

Dr. Rajesh Kashyap and Dr. Kalpna salunkhe
Through



Sadhu Vaswani Institute of Management Studies for Girls Koregaon Park, Pune-411001 2023-24



### VASWANI INSTITUTE MANAGEMENT STUDIES FOR GIRLS

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### Certificate

This is to certify that Miss. Amisha Rajendra Chindarkar of class MCA - I SEM II Seat No:13119 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

DAROLBY H. NANWANI DIRECTOR

BADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS 6, KOREGAON ROAD, PUNE-411 001

Sign of External Examiner

A

Practical on

**Advance Internet Technologies** 

&

**Python Programming** 

SUBMITTED BY

Miss. Punam Ashok Kad

**SUBMITTED TO** 

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF

Dr. Rajesh Kashyap & Dr. Kalpana Salunkhe

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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Certified by ISO 9001:2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. Punam A. Kad of class MCA - I SEM II Seat

No. — 3128 has completed all the practical in IT-21L - Python &

Advanced Internet Technologies for the partial fulfilment of degree
Master of Computer Application as per prescribed syllabus of

Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

6, KOREGAON ROAD PUNE - 411001

Dr. B H Nanwani DR. B. H. NANWANI

Direct RECTOR

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

6, KOREGAON ROAD, PUNE-411 001

Sign of External Examiner

(IT21L)

**Python Programming** 

&

**Advanced Internet Technologies** 

SUBMITTED BY

**Preeti Shankar Tarade** 

**SUBMITTED TO** 

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap

Through,



Sadhu Vaswani Institute of Management Studies for Girls,

Koregaon Park, Pune-411001 2023-24



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Certified by ISO 9001:2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. PREETI TARADE of class MCA - I SEM II

Seat No. 13157 has completed all the practical in IT-21L - Python

& Advanced Internet Technologies for the partial fulfilment of degree
Master of Computer Application as per prescribed syllabus of

Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Dr. B H Nanwani

Director

DR. B. H. NANWANI

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS
6, KOREGACH ROAD, PUNE-411 001

Sign of External Examiner

(IT21L)

**Python Programming** 

&

**Advanced Internet Technologies** 

SUBMITTED BY

Harshita Milind Meshram

SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap Through,



Sadhu Vaswani Institute of Management Studies for Girls,

Koregaon Park, Pune-411001

2023-24



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Certified by ISO 9001:2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. Harshita Meshram of class MCA - I SEM II Seat No. -13134 has completed all the practical in IT-21L - Python &Advanced Internet Technologies for the partial fulfilment of degree-Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

hul

HOD

Date: 25/5/24

Place: Pune

Dr. B H Nanwani

Director

DR. B. H. NANWANI

DIRECTOR
DIRECTOR
SADHU VASWAMI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS
6. KOREGAON ROAD, PUNE-411 001

Sign of External Examiner

(IT21L)

### **Python Programming**

&

### **Advanced Internet Technologies**

**SUBMITTED BY** 

#### **SAYYED RAHAT HUSSAIN**

**SUBMITTED TO** 

### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

#### **MASTER OF COMPUTER APPLICATION (SEM-II)**

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap
Through,

SVIMS Sadhu Vasvvani institute



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#### Certificate

This is to certify that Ms. SAYYED RAHAT HUSSAIN of class MCA - I SEM II Seat No.

has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Director

DR. B. H. NANWANI

Dr. B H Nanwani

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

6. KOREGAON ROAD, PUNE-411 001

Date:

Place: Pune

Sign of External Examiner

(IT21L)

**Advanced Internet Technologies** 

&

**Python Programming** 

SUBMITTED BY

**Maryam Shaikh** 

**SUBMITTED TO** 

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001

2023-24



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SPPU Code: IMMP016030 D. f.E. Institute Code: 661 Certified by 18O 9001:2015.

#### Certificate

This is to certify that Ms. Maryam Razzaque Shaikh of class MCA - I SEM II Seat No. 13155 has completed all the practical in IT-21L -Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

Sign of External Examiner

HOD

Date:

CLETTIBLE BANDO

Place: Pune

DIR. B. H. NANWANI
DIRECTORDIRECTOR
SADHU VASMANI HISTITUTE OF MANAGEMENT STUDIES FOR CIRLS
6, KOREGAON ROAD, PUNE-411 001

(IT21L)

### **Python Programming**

&

### **Advanced Internet Technologies**

SUBMITTED BY

MISS. Aayesha Iqbal Shaikh

**SUBMITTED TO** 

#### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

#### **MASTER OF COMPUTER APPLICATION (SEM-II)**

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap Through,



Sadhu Vaswani Institute of Management Studies for Girls,

Koregaon Park, Pune -411001



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Certified by ISO 9001:2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. Aayesholqbal Shaikh of class MCA - I SEM II Seat No. 13153-has completed all the practical in IT-21L

 Python &Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr.Rajesh Kashyap

HOD

Date:

Place:Pune

namar

Dr.BH Nanwani DR. B. H. NANWANI

DIRECTORRECTOR
SADHU VASMAHI MISTITUTE OF MANAGEMENT STUDIES FOR GIRLS
E. KORESADH ROAD, PUNE-411 801

Sign of External Examiner

(IT11L)

### **Advance Internet Technologies**

&

## **PYTHON PROGRAMMING**

SUBMITTED BY

Miss. SANSKRUTI KURALE

**SUBMITTED TO** 

### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

### MASTER OF COMPUTER APPLICATION (SEM-I)

UNDER THE GUIDANCE OF

Dr. Rajesh Kashyap & Dr. Kalpana Salunkhe Through,

Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001 2023-24



#### INSTITUTE SADHU VASWANI MANAGEMENT STUDIES FOR GIRLS

Certified by ISO 9001;2015, SPPU Code; IMMP016030 D.T.E. Institute Code; 6614

#### Certificate

This is to certify that Ms. Sanskruti Kurale of class MCA - I SEM II Seat No. 13 135 has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree-Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

bramar Dr. B H Nanwani

Director

DR. B. H. NANWANI

DIRECTOR
VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS
6, KOREGAON ROAD, PUNE-411 001

Sign of External Examiner

(IT21L)

**Python Programming** 

&

**Advanced Internet Technologies** 

**SUBMITTED BY** 

**Prerana Uttam Kamble** 

SUBMITTED TO

#### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap Through,



Sadhu Vaswani Institute of Management Studies for Girls,

Koregaon Park, Pune-411001



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Certified by ISO 9001:2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. Prerna Kamble of class MCA - I SEM II Seat No. ---- has completed all the practical in IT-21L - Python & Advanced Internet Technologies for the partial fulfilment of degree-Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Director

DR. B. H. NANWANI

DIRECTOR

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS 6, KOREGAON ROAD, PUNE-411 001

Date:

Place: Pune

Sign of External Examiner

Practical on

(IT21L)

**ADVANCED INTERNET TECHNOLOGIES** 

&

**PYTHON PROGRAMMING** 

SUBMITTED BY

Miss. Ankita Vilas Karne.

SUBMITTED TO

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

MASTER OF COMPUTER APPLICATION (SEM-II)

UNDER THE GUIDANCE OF

Dr. Rajesh Kashyap & Dr. Kalpana Salunkhe

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001

2023-24



6, Koregaon Road, Pune - 411001. Ph. 020-26054471/91 Fax: 020-26054481 Approved by A.I.C.T.E. (Unaided- Private). Affiliated to S. P. Pune University Website: www.svims-pune.edu.in Email: director@svims-pune.edu.in.

Certified by ISO 9001:2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. Ankita Karne of class MCA - I SEM II

Seat No. 13132 has completed all the practical in IT-21L - Python

& Advanced Internet Technologies for the partial fulfilment of degree
Master of Computer Application as per prescribed syllabus of

Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Sign of External Examiner

Dr. B H Nanwani

Director

DR. B. H. NANWANI

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

6. KOREGAON ROAD, PUNE-411 001

A

PRACTICAL ON

(IT21L)

**Advanced Internet Technologies** 

&

**Python Programming** 

SUBMITTED BY

Pratiksha Gavaram Narawade

**SUBMITTED TO** 

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

MASTER OF COMPUTER APPLICATION (SEM-II)

UNDER THE GUIDANCE OF

Dr. Rajesh Kashyap & Dr. Kalpana Salunkhe

Through,



Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune-411001



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Certified by ISO 9001:2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. Pratiksha Gavaram Narawade of class MCA

- I SEM II Seat No. 13142 has completed all the practical in IT-21L
- Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Dr. B H Nanwani

Director

DR. B. H. NANWANI

SADHU VASIVANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS

6. KOREGAON ROAD, PUNE-411 001

Date:

Place: Pune

Sign of External Examiner

- 00

(IT21L)

**Python Programming** 

&

Advanced Internet Technologies
SUBMITTED BY

SHEWALE SWAPNA HANUMANT

**SUBMITTED TO** 

SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

**MASTER OF COMPUTER APPLICATION (SEM-II)** 

UNDER THE GUIDANCE OF **Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap**Through,



### Sadhu Vaswani Institute of Management Studies for Girls, Koregaon Park, Pune -411001

2023-24



Dr. B. H. Nanwani Director

#### SADHU VASWANI INSTITUTE MANAGEMENT STUDIES FOR GIRLS

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Certified by ISO 9001:2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### Certificate

This is to certify that Ms. SWAPNA SHEWALE of class MCA - I has completed all the practical in IT-SEM II Seat No. - 13154 21L - Python & Advanced Internet Technologies for the partial fulfilment of degree- Master of Computer Application as per prescribed syllabus of Savitribai Phule Pune University, Pune in the academic year 2023-24

Dr. Rajesh Kashyap

HOD

Date:

Place: Pune

Director

DR. B. H. NANWANI DIRECTOR

SADHU VASWANI INSTITUTE OF MANAGEMENT STUDIES FOR GIRLS 8. KOREGAON ROAD, PUNE-411 001

Sign of External Examiner

(IT21L)

### **Python Programming**

&

### **Advanced Internet Technologies**

SUBMITTED BY

Saifa Samir Kazi

**SUBMITTED TO** 

### SAVITRIBAI PHULE PUNE UNIVERSITY, PUNE

IN PARTIAL FULFILLMENT OF DEGREE

#### **MASTER OF COMPUTER APPLICATION (SEM-II)**

UNDER THE GUIDANCE OF

Dr. Kalpana Salunkhe & Dr. Rajesh Kashyap

Through,





Certified by ISO 9001:2015, SPPU Code: IMMP016030 D.T.E. Institute Code: 6614

#### CERTIFICATE

This is to certify that Saifa Samir Kazi Seat No. 23133 I SEM - II has been completed the Mini Project entitled "Employee Payroll Management System " for the fulfilment of MASTER OF COMPUTER APPLICATION under Savitribai Phule Pune University, Pune. This is the result of the original project work under the supervision and guidance of "Prof. Girish Bal" to the best of my knowledge and belief.

Prof. Girish Bal

Project Guide

Dr. Rajesh Kashyap

HOD

Dr. B H Nanwani

Rirectorb. H. NANWANI

DIRECTOR
VASWANI INSTITUTE OF MAHAGEMENT STUDIES FOR
5, KOREGAON ROAD, PUNE-411 001

Date:

Place: Pune

Sign of External Examiner