

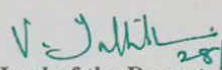
**NALLAMUTHU GOUNDER MAHALINGAM COLLEGE
(AUTONOMOUS) – POLLACHI
DEPARTMENT OF MATHEMATICS**

CIRCULAR

Date: 28.02.2022

We the Department of Mathematics conducting a Value Added Course “Python” for UG students of all departments. All the HODs are requested to inform their students about this course and inform your students to register their names in the Department of Mathematics on or before 01.03.2022.


Principal
PRINCIPAL
N. G. M. COLLEGE, POLLACHI


Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
Department of Mathematics
N.G.M College, Pollachi - 642 001.

" The goal of education is understanding; the goal of training is performance "

- FRANK BELL

Carrer Opportunities:

- Python Developer
- Research Analyst
- Data Analyst
- Data Scientist
- Software Developer



**NALLAMUTHU GOUNDER
MAHALINGAM COLLEGE**



(AUTONOMOUS)

Re-accredited by NAAC, An ISO:9001:2015 Certified Institution

Affiliated to Bharathiar University, Coimbatore

90, Palghat Road, Pollachi - 642 001

Department of Mathematics



**Value Added Course
2021-22
on
Core Python**

Aim of the Course:

Python is one of the most career-oriented course. There are endless application for python in the current technological field. Adding python, as an additional skill based course to the students will enable to use python for scientific and mathematical computing also.

Course Objective:

The course is designed to provide basic knowledge of python. Python programming is intended for software engineers, system analysts, program managers and user support personnel who wish to learn the python programming language.

Course Outcomes

After completing the course, the students will enable

- to acquire programming skills in core Python
- to acquire Object Oriented Skills in Python
- to develop the skill of designing Graphical user Interfaces in Python
- to develop the ability to write database applications in Python
- explain basic principles of Python programming language
- implement object oriented concepts
- implement database and GUI applications.

Course Coordinator

Profenaa Industrial Training Centre.

- Course Code : 19UMS6VA
- Course Name : Core Python
- Duration : 30 hours
- Eligibility : All UG course
- Course Fee : Rs. 350

Module : 1

Basics of python programming

Literal Constants - Identifiers and Data Types.

Module : 2

Decision Control Statements & Functions

Basic Loop Structures/ Iterative Statements - Variable Scope and Lifetime.

Module : 3

Functions & Modules

The Python Module - Standard Library Modules.

Module : 4

Python Strings

String Formatting Operator - The String Module.

Module : 5

File Handling

Types of Files - Method of Reading and Writing Files

VALUE ADDED COURSE

Programme Code:	B.Sc.	Programme Title:	Mathematics	
Course Code:	19UMS6VA	Title	Batch:	2019 - 2022
Lecture Hrs./Week or Practical Hrs./Week	-	PYTHON	Semester:	
			Credits:	2*

Units	Content	Hrs.
Unit I	Basics of python programming Features Of Python – The Future Of Python-Writing And Executing First Python Program –Literal Constants: Numbers, Strings-Variables And Identifiers-Data Types: Assigning Or Initializing Values To Variables, Multiple Assignment, Multiple Statements On a Single Line.	5
Unit II	Decision Control Statements&Functions Basic Loop Structures/Iterative Statements:While loop, for Loop, Nested Loops-The Break Statement–The Continue Statement-The pass Statement-The Else Statement Used With Loops. Need for Functions-Function Declaration, Function Call-Function Parameters, Variable Scope and Lifetime: Local and Global Variables, Using the Global Statement.	8
Unit III	Functions&Modules More on Defining Functions: Required Arguments, Keyword Arguments, Default Arguments, Variable-Length Arguments, Lambda Functions or Anonymous Function. The from an Important Statement-Name of Module, Making Your own Modules-The dir() Function, The Python Module-Modules and Name Spaces-Packages in Python, Standard Library Modules-Globals(), Locals(), and Reload(), Function Redefinition.	7
Unit IV	Python Strings Concatenating,Appending, and Multiplying Strings-Strings or Immutable – String Formatting Operator-Built-in String Methods and Functions-Slice, Operations: Specifying Stride While Slicing Strings-ord() and chr() Functions in and not in operators, Comparing Strings–Iterating String-The String Module.	5

Unit V	File Handling File Path-Types of Files: ASCII Text Files, Binary Files-Opening and Closing Files: The Open() Function, The File Object Attributes, The Close() Method Reading and Writing Files: Write() and Writelines() Methods, Append() Method, The Read() and Readlines() Methods, Opening Files using with Keyword, Splitting Words, Some Other Useful File Methods, File Positions, Renaming and Deleting Files.	5
	Total Contact Hrs.	30


Head of the Department
Dr. V. Inthumathi, Ph.D.,
Associate Professor & Head
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N.G.M College, Pollachi - 642 001.


Principal
Dr. R. MUTHUKUMARAN,
M.A., M.Phil., B.Ed., Ph.D..
PRINCIPAL
N.G.M. College, Pollachi - 642 001
Coimbatore District

Certificate ID: 22PR0019MA01



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

NITHISH N M (19MA01)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN **“CORE PYTHON ”**

ON **“17/06/2022”** AT **PROFENAA TECHNOLOGIES.**



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Technical lead - Industrial training program



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Certificate ID: 22PR0019MA02



CERTIFICATE OF ACHIEVEMENT



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PRABAKARAN R (19MA02)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “**CORE PYTHON**”

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A handwritten signature in blue ink, appearing to read 'M. R. A.'.

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Technical lead - Industrial training program



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Certificate ID: 22PR0019MA03

CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

SANJAI PRANAV V (19MA03)

OF III B.Sc., MATHEMATICS (2019-2022), NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
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Certificate ID: 22PR0019MA04

CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

ABIRAMI K (19MA04)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
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Certificate ID: 22PR0019MA05



CERTIFICATE OF ACHIEVEMENT

THIS CERTIFICATE IS PROUDLY PRESENTED TO

ANNALAKSHMI A (19MA05)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
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Certificate ID: 22PR0019MA06



CERTIFICATE OF ACHIEVEMENT

THIS CERTIFICATE IS PROUDLY PRESENTED TO

ANUSHRI R (19MA06)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
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Certificate ID: 22PR0019MA07



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

BABY SHALIHNI V (19MA07)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
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Technical lead - Industrial training program

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Certificate ID: 22PR0019MA08

CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

BAVAANI P (19MA08)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “CORE PYTHON ”
ON “17/06/2022” AT PROFENAA TECHNOLOGIES.



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Certificate ID: 22PR0019MA09



CERTIFICATE OF ACHIEVEMENT



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BHAVATHARANI S (19MA09)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
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Certificate ID: 22PR0019MA10



CERTIFICATE OF ACHIEVEMENT

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BRINDHA SREETHS (19MA10)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
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Certificate ID: 22PR0019MA11



CERTIFICATE OF ACHIEVEMENT

THIS CERTIFICATE IS PROUDLY PRESENTED TO

DHARSHINI D (19MA11)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
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Certificate ID: 22PR0019MA13



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

GAYATHIRI J (19MA13)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
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A handwritten signature in blue ink, appearing to be 'M. J. J.'.

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Technical lead - Industrial training program



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Certificate ID: 22PR0019MA14



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

GAYATHRI E (19MA14)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “**CORE PYTHON**”
ON “**17/06/2022**” AT **PROFENAA TECHNOLOGIES**.



A handwritten signature in black ink, appearing to be 'N. N. A.' or similar.

AUTHORIZED SIGNATORY

Technical lead - Industrial training program

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Certificate ID: 22PR0019MA16



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

GOKILA P (19MA16)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN **“CORE PYTHON ”**
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Certificate ID: 22PR0019MA17



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

JEEVA NARMADHA P (19MA17)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
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Technical lead - Industrial training program



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Certificate ID: 22PR0019MA18



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

JEEVA PREETHI M (19MA18)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
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Technical lead - Industrial training program



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Certificate ID: 22PR0019MA19



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

KALAIVANI K (19MA19)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
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Certificate ID: 22PR0019MA20



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

KANMANI M (19MA20)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
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Certificate ID: 22PR0019MA21

CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

KARTHIKA G (19MA21)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
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AUTHORIZED SIGNATORY

Technical lead - Industrial training program



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Certificate ID: 22PR0019MA22



CERTIFICATE OF ACHIEVEMENT

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KAVIYA M (19MA22)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
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AUTHORIZED SIGNATORY

Technical lead - Industrial training program



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Certificate ID: 22PR0019MA23

CERTIFICATE OF ACHIEVEMENT



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KIRUBA B (19MA23)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
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Technical lead - Industrial training program



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Certificate ID: 22PR0019MA24



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

KRISHNA PRIYA T (19MA24)

OF III B.Sc., MATHEMATICS (2019-2022) , NCM COLLEGE, POLLACHI FOR SUCCESSFULLY
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ON “17/06/2022” AT PROFENAA TECHNOLOGIES.



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Technical lead - Industrial training program

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Certificate ID: 22PR0019MA25



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

LOGASUBHA M (19MA25)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “CORE PYTHON ”

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Certificate ID: 22PR0019MA26



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

MAHALAKSHMI R (19MA26)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “CORE PYTHON ”
ON “17/06/2022” AT PROFENAA TECHNOLOGIES.



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Technical lead - Industrial training program

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Certificate ID: 22PR0019MA27



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

MARIJOHI R (19MA27)

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COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “CORE PYTHON ”
ON “17/06/2022” AT PROFENAA TECHNOLOGIES.



A handwritten signature in black ink, appearing to be 'M. R. Marijohi R'.

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Certificate ID: 22PR0019MA28



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

MINISHA S (19MA28)

OF III B.Sc., MATHEMATICS (2019-2022) , NCM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “CORE PYTHON ”
ON “17/06/2022” AT PROFENAA TECHNOLOGIES.



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AUTHORIZED SIGNATORY

Technical lead - Industrial training program



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Certificate ID: 22PR0019MA29

CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

MOHANA PRIYA N (19MA29)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
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Certificate ID: 22PR0019MA30

CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

MONIKA M (19MA30)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “CORE PYTHON ”
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comprehensive syllabus and authorized courseware.
We wish the very best for your future.



Certificate ID: 22PR0019MA32



CERTIFICATE OF ACHIEVEMENT

THIS CERTIFICATE IS PROUDLY PRESENTED TO

NAVEENA M (19MA32)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “CORE PYTHON ”
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Certificate ID: 22PR0019MA33



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

NIVETHA S (19MA33)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “CORE PYTHON ”
ON “17/06/2022” AT PROFENAA TECHNOLOGIES.



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Technical lead - Industrial training program

A handwritten signature in black ink, appearing to read 'Nivetha S'.

Congratulations!

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Certificate ID: 22PR0019MA34

CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

PAVITHRA J (19MA34)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
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ON “17/06/2022” AT **PROFENAA TECHNOLOGIES.**



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Technical lead - Industrial training program



Congratulations!

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Certificate ID: 22PR0019MA35

CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

PRIYA DHARSHINI K (19MA35)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “CORE PYTHON ”
ON “17/06/2022” AT PROFENAA TECHNOLOGIES.



AUTHORIZED SIGNATORY

Technical lead - Industrial training program



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Certificate ID: 22PR0019MA36

CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

RAFIAYATTUUL BASIRIYA A (19MA36)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “**CORE PYTHON**”
ON “**17/06/2022**” AT **PROFENAA TECHNOLOGIES.**



A handwritten signature in black ink, appearing to be 'N. N. A.'.

AUTHORIZED SIGNATORY

Technical lead - Industrial training program



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Certificate ID: 22PR0019MA37

CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

RAGAVI S (19MA37)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “CORE PYTHON ”
ON “17/06/2022” AT PROFENAA TECHNOLOGIES.



A handwritten signature in black ink, appearing to read 'N. N. A.'.

AUTHORIZED SIGNATORY

Technical lead - Industrial training program



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Certificate ID: 22PR0019MA38



CERTIFICATE OF ACHIEVEMENT

THIS CERTIFICATE IS PROUDLY PRESENTED TO

RAJA RAJESHVARI K (19MA38)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “CORE PYTHON ”
ON “17/06/2022” AT PROFENAA TECHNOLOGIES.



A handwritten signature in black ink, appearing to be 'N. N. A.' or similar, written over a horizontal line.

AUTHORIZED SIGNATORY

Technical lead - Industrial training program



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Certificate ID: 22PR0019MA39

CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

RAJUBU NISHA J (19MA39)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “CORE PYTHON ”
ON “17/06/2022” AT PROFENAA TECHNOLOGIES.



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Technical lead - Industrial training program



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Certificate ID: 22PR0019MA41



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

SABITHA M (19MA41)

OF III B.Sc., MATHEMATICS (2019-2022) , NCM COLLEGE, POLLACHI FOR SUCCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “CORE PYTHON ”
ON “17/06/2022” AT PROFENAA TECHNOLOGIES.



AUTHORIZED SIGNATORY

Technical lead - Industrial training program

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Certificate ID: 22PR0019MA42



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

SANDHYA P (19MA42)

OF III B.Sc., MATHEMATICS (2019-2022), NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30hrs) IN "CORE PYTHON"
ON "17/06/2022" AT PROFENAA TECHNOLOGIES.



A handwritten signature in blue ink, appearing to be 'N. N. A.'.

AUTHORIZED SIGNATORY

Technical lead - Industrial training program



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Certificate ID: 22PR0019MA43



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

SARANYA R (19MA43)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “**CORE PYTHON**”

ON “**17/06/2022**” AT **PROFENAA TECHNOLOGIES.**



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Technical lead - Industrial training program



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Certificate ID: 22PR0019MA44



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

SINDHUJA E (19MA44)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “**CORE PYTHON**”

ON “**17/06/2022**” AT **PROFENAA TECHNOLOGIES.**



A handwritten signature in blue ink, appearing to read 'M. K. A.'.

AUTHORIZED SIGNATORY
Technical lead - Industrial training program



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Certificate ID: 22PR0019MA45



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

SIVA RANJANI R (19MA45)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN **“CORE PYTHON ”**

ON **“17/06/2022”** AT **PROFENAA TECHNOLOGIES.**



AUTHORIZED SIGNATORY
Technical lead - Industrial training program



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Certificate ID: 22PR0019MA46

CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

SNEKA T (19MA46)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “CORE PYTHON ”
ON “17/06/2022” AT PROFENAA TECHNOLOGIES.



AUTHORIZED SIGNATORY

Technical Head - Industrial training program

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Certificate ID: 22PR0019MA47



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

SUBASHINI S (19MA47)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN **“CORE PYTHON ”**

ON **“17/06/2022”** AT **PROFENAA TECHNOLOGIES.**



AUTHORIZED SIGNATORY
Technical lead - Industrial training program



Congratulations!

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Certificate ID: 22PR0019MA48



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

SUGANYA R (19MA48)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “CORE PYTHON ”
ON “17/06/2022” AT PROFENAA TECHNOLOGIES.



AUTHORIZED SIGNATORY
Technical lead - Industrial training program



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Certificate ID: 22PR0019MA49



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

SUTHIKSHA S (19MA49)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN **“CORE PYTHON ”**

ON **“17/06/2022”** AT **PROFENAA TECHNOLOGIES.**



AUTHORIZED SIGNATORY
Technical lead - Industrial training program



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Certificate ID: 22PR0019MA50



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

THENMOZHI D (19MA50)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “**CORE PYTHON**”

ON “17/06/2022” AT **PROFENAA TECHNOLOGIES.**



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Technical lead - Industrial training program



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Certificate ID: 22PR0019MA51



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

VALARMATHI M (19MA51)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “**CORE PYTHON**”

ON “**17/06/2022**” AT **PROFENAA TECHNOLOGIES.**



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Technical lead - Industrial training program



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Certificate ID: 22PR0019MA52



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

VARSHINI M (19MA52)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN **“CORE PYTHON ”**

ON **“17/06/2022”** AT **PROFENAA TECHNOLOGIES.**



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Certificate ID: 22PR0019MA53



CERTIFICATE OF ACHIEVEMENT



THIS CERTIFICATE IS PROUDLY PRESENTED TO

YUVASINI R (19MA53)

OF III B.Sc., MATHEMATICS (2019-2022) , NGM COLLEGE, POLLACHI FOR SUCESSFULLY
COMPLETING THE VALUE ADDED PROGRAMME (30Hrs) IN “**CORE PYTHON**”

ON “**17/06/2022**” AT **PROFENAA TECHNOLOGIES.**



A handwritten signature in blue ink, appearing to be 'M. K. A.'.

AUTHORIZED SIGNATORY
Technical lead - Industrial training program



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