MGM's College of Engineering Nanded Training and Placement Cell

NOTICE

Date:30th Oct 2023

5-6

All students of SYCSE and TYCSE are hereby informed that they should learn the following courses on Infosys Springboard platform as a part of internship and earn the course completion certificate before the end of semester. It is expected to produce the certificate at the time of submission.

You will be evaluated and graded by your mentors based on performance on timely completion of assignments and earning of course completion certificate and certificate of achievement.

Class	Name of the course	Link
SYCSE	Java Foundation Certification	https://infyspringboard.onwingspan.co
		m/web/en/app/toc/lex_auth_01378817
		1933728768154 shared/overview
TYCSE	Associate in IT Foundation Skills	https://infyspringboard.onwingspan.c
	(Python)	om/web/en/app/toc/lex auth 01337
		7450309140480131 shared/overview

Mohd Aijaz Ahmed Dept TPC

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TPO

ARejuekar

Dr A M Rajurkar HOD





Mahatma Gandhi Mission's COLLEGE OF ENGINEERING

Near Air-port, Hingoli Road, Nanded-431605.

Training and Placement Cell

Activity Report

Course Title: Associate in IT Foundation Skills (Python)

Platform: Infosys Springboard

Duration: Online (30/10/2023 to 30/05/2024)

Participants: Third Year CSE Students (107)

Course Objectives

The course aims to:

- 1. Provide a strong foundation in Python programming, covering both fundamental and advanced concepts.
- 2. Develop proficiency in problem-solving using algorithms and data structures.
- 3. Introduce object-oriented programming and its practical applications in Python.
- 4. Equip learners with database management skills, including relational and NoSQL databases.
- 5. Familiarize learners with software engineering principles and Agile development methodologies.
- 6. Enable the application of acquired skills in real-world IT scenarios.



Overview of the Course

The Associate in IT Foundation Skills Course was introduced as part of a skill enhancement initiative for Third Year Engineering students. Hosted on the Infosys Springboard platform, the course aimed to strengthen students' understanding in Python, Database and Software Engineering concepts and enhance their coding proficiency. Designed as a self-paced program, it enabled students to learn independently while managing their academic commitments. Participants registered on the Infosys Springboard platform and enrolled in the Associate in IT Foundation Skills, which featured a combination of video lectures, reading materials, and hands-on coding assignments. Self-assessment quizzes were included after each module to evaluate understanding, and faculty conducted regular check-ins to track progress and address queries. To earn certification, students were required to complete a final assessment. By successfully completing this certification students were able to: 1. Code, test and debug Python programs 2. Write and execute SQL queries 3. Know the essential software development processes and practices

Key achievements during this program include successfully completing all modules, which involved practical exercises and assessments, gaining hands-on experience in designing, implementing, and managing Python-based solutions, and building a solid foundation in database systems and software engineering concepts.

Course Modules

- 1. Programming Fundamentals using Python Part 1
 - > **Duration:** 43 hours 25 minutes
 - Description: Introduction to Python basics, syntax, data types, and control structures.
- 2. Programming Fundamentals using Python Part 2
 - > **Duration:** 40 hours 13 minutes
 - Description: Advanced topics in Python such as functions, modules, error handling, and file operations.
- 3. Object-Oriented Programming using Python
 - > Duration: 46 hours 13 minutes



 Description: Concepts of object-oriented programming, including classes, objects, inheritance, polymorphism, and encapsulation.

4. Data Structures and Algorithms using Python - Part 1

- > **Duration:** 29 hours 27 minutes
- Description: Introduction to data structures (lists, stacks, queues) and algorithms for searching and sorting.

5. Data Structures and Algorithms using Python - Part 2

- > **Duration:** 37 hours 41 minutes
- Description: Advanced data structures (trees, graphs) and algorithm design techniques.

6. Database Management System - Part 1

- > **Duration:** 63 hours 50 minutes
- Description: Fundamentals of database management, SQL queries, normalization, and relational database design.

7. Database Management System - Part 2

- > **Duration:** 40 hours 19 minutes
- Description: Advanced topics in database management, including stored procedures, triggers, and database security.

8. Introduction to NoSQL Databases

- Duration: 7 hours 26 minutes
- Description: Overview of NoSQL databases, their applications, and differences from relational databases.

9. Software Engineering and Agile Software Development

- > **Duration:** 1 hour 50 minutes
- Description: Basics of software engineering principles and an introduction to Agile methodologies.

Learning Outcomes

By the end of the course, learners will be able to:

- 1. Write efficient, modular, and maintainable Python programs using advanced concepts.
- 2. Analyze and implement appropriate data structures and algorithms for specific problems.
- 3. Design and develop object-oriented solutions using Python.
- 4. Create and manage databases using SQL, and understand the principles of NoSQL databases.
- 5. Apply Agile practices in software development projects.
- 6. Develop IT solutions integrating software engineering principles and best practices.

Feedback for the Course

- 1. The course covers all essential topics, from Python basics to advanced database management, providing a holistic learning experience.
- 2. The self-paced structure allows learners to progress at their convenience.
- 3. The progression from basics to advanced topics ensures gradual and effective learning.
- 4. Regular check-ins by faculty ensured students received timely guidance and feedback, enhancing the learning experience.
- 5. The final assessment and certification added value to students' résumés, providing an industry-recognized credential.

EN S CON







The certificate is awarded to

Sayli Alaspure

for successfully completing

Associate in IT Foundation Skills (Python)

on December 9, 2024



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The certificate is awarded to

Bais Aniket Rajeshsing

for successfully completing

Associate in IT Foundation Skills (Python)

on December 10, 2024



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The certificate is awarded to

Atoofa Mahewish Farooqui

for successfully completing

Associate in IT Foundation Skills (Python)

on August 22, 2024



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The certificate is awarded to

Battalwar Harsh Ganesh

for successfully completing

Associate in IT Foundation Skills (Python)

on December 9, 2024



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CERTIFICATE OF ACHIEVEMENT

The certificate is awarded to

Abhishek Berlikar

for successfully completing

Associate in IT Foundation Skills (Python)

on August 15, 2024

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The certificate is awarded to

Akash Nemaji Bhadarge

for successfully completing

Associate in IT Foundation Skills (Python)

on August 16, 2024



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The certificate is awarded to

RAVI BHAGAT

for successfully completing

Associate in IT Foundation Skills (Python)

on August 16, 2024



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The certificate is awarded to

Bhasarkar Mrunal Bandu

for successfully completing

Associate in IT Foundation Skills (Python)

on August 27, 2024



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The certificate is awarded to

Bhagwat Biradar

for successfully completing

Associate in IT Foundation Skills (Python)

on December 9, 2024



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The certificate is awarded to

Biradar Maroti

for successfully completing

Associate in IT Foundation Skills (Python)

on August 19, 2024



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The certificate is awarded to

Chafekar Sahebrao balaji

for successfully completing

Python Programmer Certification

on Sunday, March 20th 2022

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CERTIFICATE OF ACHIEVEMENT

The certificate is awarded to

Chalindrawar Purva

for successfully completing Associate in IT Foundation Skills (Python)

on December 5, 2024



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The certificate is awarded to

Varad Chandrawar

for successfully completing

Associate in IT Foundation Skills (Python)

on August 12, 2024



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The certificate is awarded to

Omrohit Channoji

for successfully completing

Associate in IT Foundation Skills (Python)

on December 8, 2024



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The certificate is awarded to

Utkarsha Chauhan

for successfully completing

Associate in IT Foundation Skills (Python)

on August 18, 2024



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The certificate is awarded to

Chidrawar Sayali Sanjayrao

for successfully completing

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on August 21, 2024



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The certificate is awarded to

Dake Komal Kailas

for successfully completing

Associate in IT Foundation Skills (Python)

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The certificate is awarded to

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for successfully completing

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The certificate is awarded to

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The certificate is awarded to

Deshmukh Shrutika Avdhutrao

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The certificate is awarded to

Kishori Gaikwad

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The certificate is awarded to

Ambika Shivkumar Gangawar

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The certificate is awarded to

Sanskruti Gogirwar

for successfully completing

Associate in IT Foundation Skills (Python)

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The certificate is awarded to

Govindwar Soham Sanjay

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on August 15, 2024



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The certificate is awarded to

Gulam Mujtaba Quadri Mustafa Quadri

for successfully completing

Associate in IT Foundation Skills (Python)

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The certificate is awarded to

Hanzala Ahmed

for successfully completing

Associate in IT Foundation Skills (Python)

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The certificate is awarded to

Atharva Inamdar

for successfully completing

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The certificate is awarded to

Bhavitavya Isukapati

for successfully completing

Associate in IT Foundation Skills (Python)

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The certificate is awarded to

KONDIBA JOGDAND

for successfully completing

Associate in IT Foundation Skills (Python)

on December 9, 2024



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The certificate is awarded to

Jondhale Snehal Sanjay

for successfully completing

Associate in IT Foundation Skills (Python)

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The certificate is awarded to

Joshi Narayan Shrinivasrao

for successfully completing

Associate in IT Foundation Skills (Python)

on August 15, 2024



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The certificate is awarded to

Vijaya Kadam

for successfully completing

Associate in IT Foundation Skills (Python)

on August 17, 2024



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The certificate is awarded to

Pranav Kalaskar

for successfully completing

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The certificate is awarded to

Shivnanda Kalaskar

for successfully completing

Java Foundation Certification

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The certificate is awarded to

Pavan Kamthane

for successfully completing

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The certificate is awarded to

Kangulwar Surekha Rajenna

for successfully completing

Associate in IT Foundation Skills (Python)

on August 21, 2024



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The certificate is awarded to

Kannawar Aditya Pandharinath

for successfully completing

Associate in IT Foundation Skills (Python)

on August 12, 2024



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The certificate is awarded to

Karpe Arati Balaji

for successfully completing

Associate in IT Foundation Skills (Python)

on August 24, 2024



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The certificate is awarded to

Aniket Karwa

for successfully completing

Associate in IT Foundation Skills (Python)

on August 20, 2024



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The certificate is awarded to

Soham Kashettiwar

for successfully completing

Associate in IT Foundation Skills (Python)

on July 18, 2024



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The certificate is awarded to

Khade Sukhada Santosh

for successfully completing

Associate in IT Foundation Skills (Python)

on August 18, 2024



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The certificate is awarded to

Soham Kotgire

for successfully completing

Associate in IT Foundation Skills (Python)

on December 9, 2024



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The certificate is awarded to

Varun Kotgire

for successfully completing

Associate in IT Foundation Skills (Python)

on August 12, 2024



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The certificate is awarded to

anup Koturwar

for successfully completing

Associate in IT Foundation Skills (Java)

on August 15, 2024



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The certificate is awarded to

Kubade Shruti Suresh

for successfully completing

Associate in IT Foundation Skills (Python)

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The certificate is awarded to

avani kulkarni

for successfully completing

Associate in IT Foundation Skills (Python)

on August 18, 2024



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CERTIFICATE OF ACHIEVEMENT

The certificate is awarded to

Mahajan Piyush

for successfully completing

Associate in IT Foundation Skills (Python)

on December 5, 2024



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The certificate is awarded to

Yash Mahajan

for successfully completing

Associate in IT Foundation Skills (Python)

on August 19, 2024



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The certificate is awarded to

Swarali Makone

for successfully completing

Associate in IT Foundation Skills (Python)

on August 21, 2024



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The certificate is awarded to

Mala Ashmitsingh Rajendrasingh

for successfully completing

Associate in IT Foundation Skills (Python)

on December 9, 2024



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The certificate is awarded to

Mohammed Arsalan Khan Abdul Habib Khan

for successfully completing

Associate in IT Foundation Skills (Python)

on August 11, 2024



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The certificate is awarded to

Mohammed Jawad Aquib Momin

for successfully completing

Associate in IT Foundation Skills (Python)

on August 11, 2024



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The certificate is awarded to

Mustafa Mohammed

for successfully completing

Associate in IT Foundation Skills (Python)

on December 9, 2024



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The certificate is awarded to

Quazi qudsiya Farheena

for successfully completing

Associate in IT Foundation Skills (Python)

on December 10, 2024



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The certificate is awarded to

Mohd Faizan Ahmed Siddiqui

for successfully completing

Associate in IT Foundation Skills (Python)

on December 9, 2024



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The certificate is awarded to

Momin Mohammed Rehan

for successfully completing

Associate in IT Foundation Skills (Python)

on September 10, 2024



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The certificate is awarded to

Sharad Mudholkar

for successfully completing

Associate in IT Foundation Skills (Python)

on December 9, 2024



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The certificate is awarded to

Mayuri Mustare

for successfully completing

Associate in IT Foundation Skills (Python)

on December 9, 2024



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