

MONARK UNIVERSITY

RUDRA GOSWAMI COLLEGE OF COMPUTER APPLICATION

WORKSHOP REPORT

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|---|--|-------|--------------|-------------------------|------------|
| Name of Activity/Event: | Python Programming for Industry Readiness: Beginner to Advanced | | | | |
| Name of Organizing Body (Institute/Department): | SSIP/IIC & Monark University | | | | |
| Sponsoring Agency: | SSIP | | | Amount in Rs. (if any): | 4000/- |
| Academic Year: | 2025-26 | | | Date of Event: | 24/02/2026 |
| Total No. of Participants (Students): | 61 | Male: | 50 | Female: | 11 |
| Total No. of Participants (Faculty): | 2 | Male: | 1 | Female: | 1 |
| Name of Faculty Coordinator: | Prof. Hardik Gandhi | | | | |
| Email Id: | Hardik.gandhi.foca@monarkuni.ac.in | | Contact No.: | 9714043083 | |
| Name of Expert: | Mr. Dhir Rathod, Data Analyst @Pixiverse Technology Solutions Pvt Ltd & Consultant @InfiVidhya Academy Private limited | | | | |
| Email Id: | dhir@pixiverse.in | | Contact No.: | 8320371197 | |
| Details of Activity: | <p>Understanding Python Programming for Industry Readiness: Beginner to Advanced</p> <p>In today's digital economy, programming is not just a technical skill—it is a core industry requirement. Python has emerged as one of the most powerful and versatile programming languages used in software development, data science, artificial intelligence, automation, cybersecurity, and web development. Its simplicity, readability, and vast ecosystem make it ideal for beginners while remaining powerful enough for enterprise-level applications.</p> <p>Key Concepts in Python Programming for Industry</p> <p>Strong Fundamentals</p> <p>Understanding variables, data types, control structures, loops, functions, and error handling forms the backbone of programming logic.</p> <p>Problem-Solving Approach</p> <p>Industry values developers who can analyze problems, design algorithms, and implement efficient solutions.</p> <p>Object-Oriented Programming (OOP)</p> <p>Designing software using classes, objects, inheritance, encapsulation, and polymorphism enables scalable and maintainable systems.</p> <p>Modular & Reusable Code</p> <p>Writing functions, modules, and packages promotes code reuse and clean project structure.</p> | | | | |

File Handling & Data Processing

Working with files (CSV, JSON, text) prepares learners for real-world data-driven applications.

Outcome:

By progressing from foundational concepts to advanced development practices, learners:

- Develop logical thinking and analytical ability
- Gain confidence in building real-world applications
- Understand software development lifecycle (SDLC)
- Become prepared for technical interviews
- Achieve industry-level coding standards

Python programming for industry readiness is not just about learning syntax—it is about transforming learners into problem solvers, developers, and technology professionals ready to contribute effectively in the modern IT ecosystem.

Awards (if Any):

Certificates to the Participated Students

Photographs of Event





Faculty Coordinator:
Prof. Hardik Gandhi

Dean:
Prof. Sudha Patel