

Specified Activities under MoU Training

Industry-Oriented Training Session on Python Programming

Report

As part of the **Memorandum of Understanding (MoU)** between **Shri Ram College, Muzaffarnagar** and **Digital Byte Solutions**, an **Industry-Oriented Training Session on Python Programming** was organized on **10-10-2025** for students of the Computer Science Department. The objective of this training program was to provide students with practical knowledge of Python programming and its applications in modern industries.

The session was delivered by **Mr. Vishwas Sharma**, who served as the **Resource Person** for the training. The program focused on enhancing students' programming skills and preparing them according to industry requirements.

Objectives of the Training Program

- To introduce students to the fundamentals of Python programming.
- To develop programming skills using Python language.
- To provide practical exposure to Python-based applications.
- To enhance problem-solving and logical thinking abilities.
- To bridge the gap between academic learning and industry practices.

Details of Training Activities

The training session covered various important concepts of Python programming, including:

1. Introduction to Python

Students were introduced to Python as a powerful, high-level, and widely used programming language. The session covered Python features, installation setup, syntax, and its applications in different domains.

2. Python Programming Fundamentals

Participants learned essential programming concepts such as:

- Variables and data types
- Operators and expressions
- Conditional statements
- Loops and control structures
- Functions and modules

3. Object-Oriented Programming in Python

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The resource person explained object-oriented concepts including:

- Classes and objects
- Inheritance
- Encapsulation
- Reusability of code

4. Data Handling and Python Libraries

Students were introduced to commonly used Python libraries and their applications in software development, data analysis, and automation.

5. Practical Demonstration and Hands-on Training

The training included practical examples and coding demonstrations that helped students understand how Python programs are developed and executed. Students practiced writing programs and solving real-world problems using Python.

Training Methodology

The training was conducted through:

- Expert lectures by the resource person.
- Live coding demonstrations.
- Practical exercises.
- Interactive discussions.
- Question-answer sessions.

Outcomes of the Training Program

- Students gained fundamental and practical knowledge of Python programming.
- Improved coding and problem-solving skills.
- Understanding of Python applications in industry and emerging technologies.
- Exposure to modern programming practices.
- Increased confidence in developing Python-based solutions.
- Awareness of career opportunities related to Python, Data Science, Artificial Intelligence, and Software Development.

Date: 10-10-2025

Topic: Python Programming

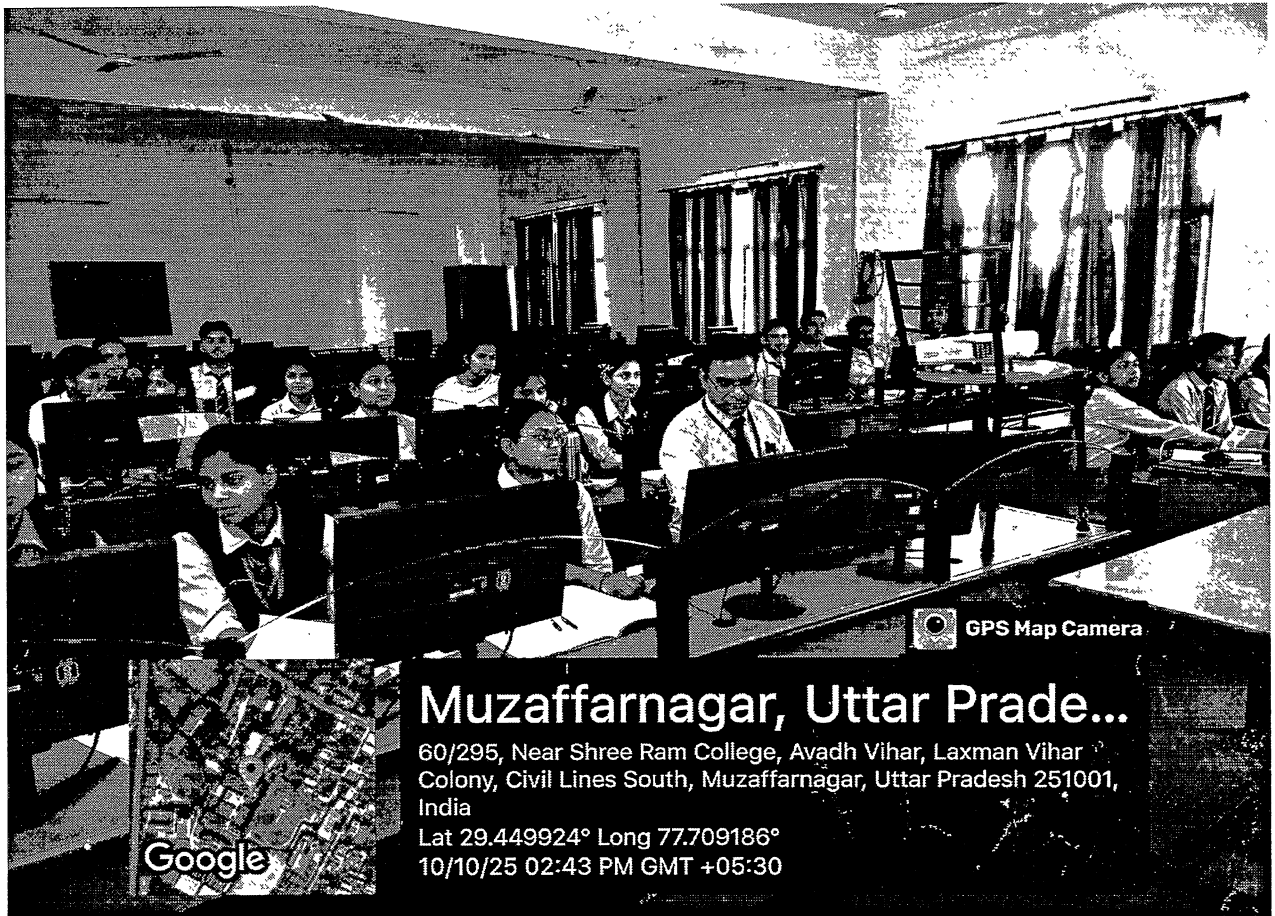
Resource Person: Mr. Vishwas Sharma

Organized By: Department of Computer Application

Under MoU With: Digital Byte Solutions

Number of Participants:145

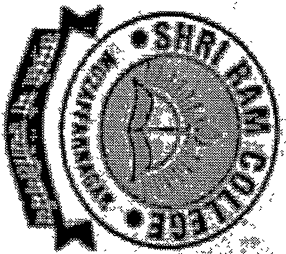

(HOD, Computer Application)



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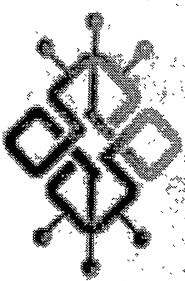
60/295, Near Shree Ram College, Avadh Vihar, Laxman Vihar
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10/10/25 02:43 PM GMT +05:30



SHRI RAM COLLEGE,
MUZAFFARNAGAR

CERTIFICATE OF COLLABORATION



Digital Byte
SOLUTIONS

This is to certify that

SHRI RAM COLLEGE, MUZAFFARNAGAR

&
DIGITAL BYTE SOLUTIONS

have entered into an academic collaboration to foster innovation, knowledge exchange,
and capacity building in the fields of technology, research, and education.
Together, we commit to empowering future-ready minds and creating meaningful impact.

PARTNERSHIP HIGHLIGHTS



ACADEMIC EXCELLENCE
Joint learning initiatives
and academic programs



RESEARCH COLLABORATION
Co-research, innovation
and knowledge sharing



TECHNOLOGY ENABLEMENT
Access to technology,
tools and resources



SKILL DEVELOPMENT
Workshops, training and
industry exposure



EFFECTIVE DATE
12 MAY 2025



VALIDITY
5 YEARS

Principal
Shri Ram College,
Muzaffarnagar

Director
Digital Byte Solutions

VERIFIED
COLLABORATION
PARTNER