

(CENTRE OF EXCELLENCE GOVERNMENT COLLEGE SANJAULI)

DEPARTMENT OF MATHEMATICS & RAMANUJAN MATHEMATICAL SOCIETY
SANJAULI, SHIMLA, HIMACHAL PRADESH

Name of the Event Coordinator/Convenor:

Dr. Girish Kapoor (HOD, Mathematics)
Dr. Anjana Sharma (Event In-charge & Convenor)
Dr. Poonam (Faculty Coordinator)

Name of the Event:

Six-Day National Workshop on Python Programming

Name of the Collaborator :

Pune Institute of Business Management (PIBM)

Name of The Resource Person :

1. Dr. Praveen Kumar Sharma (Assistant Professor, PIBM; Published Researcher & Patentee - Lead Resource Person)
2. Mr. Ankit Kumar (Regional Head – North Marketing, PIBM)
3. Mr. Karan Singh (Skill Development Manager – HP Region, PIBM)

Start Date and End Date:

Start Date: September 07, 2026
End Date: September 12, 2026 (6 Days)

No. of Participant :

Students: 125 (GDC Sanjauli, St. Bede's College Shimla ,
RKMV Shimla, HPU Shimla ,Evening College Shimla
,GDC Theog)
Total Participants: 125

DETAILS ABOUT THE EVENT:

Event Description

1. Introduction & Inaugural Highlights (Day 1):

A prestigious Six-Day National Workshop on Python Programming was successfully conducted from September 7 to September 12, 2026, by the Department of Mathematics in association with the Ramanujan Mathematical Society at Government College Sanjauli (Centre of Excellence, Shimla). The workshop commenced on Day 1 with an address of warm welcome delivered by the Vice President of the Ramanujan Mathematical Society, followed by traditional Lamp Lighting (Deep Prajjwala) invoking Goddess Saraswati. Head of the Mathematics Department Dr. Girish Kapoor warmly welcomed student delegations representing St. Bede's College, Rajkiya Kanya Maha Vidyalaya (RKMV) Shimla, and Himachal Pradesh University (HPU), Evening college Shimla, GDC Theog alongside the host students.

Heartfelt gratitude and special tribute were placed on record for Dr. Anjana Sharma, whose persistent dedication, pedagogical foresight, and immense organizational contribution served as the guiding force behind conceptualizing this workshop. Faculty members (Dr. Girish Kapoor, Dr. Anjana Sharma, and Dr. Poonam) felicitated Chief Guest Prof. Bharti Bagra (Principal, GC Sanjauli), Vice Principal Prof. Bachchan Singh, and visiting corporate delegates from Pune Institute of Business

Management (PIBM): Mr. Ankit Kumar (Regional Head – North Marketing), Mr. Karan Singh (Skill Development Manager, HP), and Lead Resource Person Dr. Praveen Kumar Sharma (Assistant Professor, Published Researcher & Patentee) by pinning institutional badges. Keynote addresses were delivered by Principal Prof. Bharti Bagra, Mr. Ankit Kumar, Dr. Praveen Kumar Sharma, and Dr. Girish Kapoor (HOD) Mathematics, Dr. Anjana Sharma.

2. Daily Schedule & Technical Progression (Day 1 to Day 5):

The academic sessions followed a daily schedule: Technical Session I (10:30 AM – 11:45 AM), Technical Session II (12:00 PM – 01:15 PM), Lunch Break (01:15 PM – 02:30 PM), and Hands-on Practical Lab (02:30 PM – 04:00 PM).

- Day 1 (07-09-2026): Inaugural session, badge pinning, Python environment setup, shell configuration, and computational introduction.
- Day 2 (08-09-2026): Core scalar data types (int, float, str, bool, NoneType), memory architecture, type inspection `type()`, `id()`, and mutability.
- Day 3 (09-09-2026): Assignment operators, arithmetic shortcuts (`+=`, `%=`), logical operators (`not`, `and`, `or`), type conversion vs. explicit casting (`int()`, `float()`), string indexing, slicing [`start:stop`], `len()`, and methods (`.replace()`, `.find()`, `.count()`).
- Day 4 (10-09-2026): Conditional branching (`if-elif-else`), 4-space indentation rules, traffic simulations, grading matrices, temperature classification, parity checks (even/odd), and divisibility tests (multiples of 7 & 5).
- Day 5 (11-09-2026): Iterative constructs (`for`, `while` loops), loop controls (`break`, `continue`), mathematical algorithms (prime testing, factorials, and Fibonacci sequences).

3. Day 6 Assessment, Valedictory Proceedings & Outcomes:

Day 6 (September 12, 2026) marked the successful culmination of the workshop with comprehensive academic and valedictory proceedings:

- Comprehensive Hands-on Test: A rigorous coding assessment and evaluative test was administered to all student participants to assess programming syntax, conditional logic, and algorithmic problem-solving.
- Event Synthesis Report: The Vice President of the Ramanujan Mathematical Society presented a comprehensive summary report outlining the six-day proceedings, milestones, and laboratory achievements.
- Participant Feedback: Student delegates from St. Bede's, RKMV, Evening college, HPU, GDC Theog and GDC Sanjauli shared enthusiastic feedback, expressing sincere appreciation to the Department of Mathematics and PIBM resource persons for delivering accessible, hands-on computational training.
- Chief Guest Address: Principal Prof. Bharti Bagra presided as Chief Guest for the valediction. She congratulated all students and commended the Department of Mathematics for pioneering impactful skill-oriented initiatives.
- Address by Dr. Anjana Sharma: Dr. Anjana Sharma delivered an inspiring address, expressing profound gratitude to the student members of the Ramanujan Mathematical Society for their tireless efforts in translating her thoughts and pedagogical vision into a progressive, flourishing reality. She also expressed gratitude to the college leadership and PIBM dignitaries.
- Certificate Distribution: Formal certificates of participation and merit were awarded to all qualifying student delegates, and commemorative certificates and tokens of appreciation were presented to Lead Resource Person Dr. Praveen Kumar Sharma and PIBM dignitaries.

- Conclusion: The six-day national workshop officially concluded with the solemn rendition of the National Anthem, instilling pride and academic inspiration across all attendees.

Geotagged photograph of the event.



Media/News Coverage

The six-day national workshop was widely covered across regional print in Shimla. Leading newspapers reported on Government College Sanjauli's academic partnership with PIBM Pune, highlighting inter-collegiate participation, practical computational exposure, and the valedictory ceremony.

[ATTACH SCANNED PRESS RELEASES / NEWS CLIPPINGS HERE]

Attendance Sheet (Scanned copy with signature of the participant)

Duly authenticated daily physical attendance was recorded across all 6 days, students completed the mandated laboratory attendance requirements and participated in the final evaluation.

[ATTACH SIGNED SCANNED COPIES OF PARTICIPANT ATTENDANCE SHEETS (DAY 1 TO DAY 6)]

Signature of Event Coordinator / Convenor:

Dr. Anjana Sharma / Dr. Girish Kapoor
Department of Mathematics, GC Sanjauli

Report Compiled By:

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Ramanujan Mathematical Society