



DEPARTMENT OF MCA

Report Submission: 13/07/2026

Semester: II		Academic Year: 2025–26	Venue: AI03F03-LR, AI032F04-LR, AIGS Block 2
Event Date: 10/07/2026	Time: 10:00 AM to 12:00 PM	Duration: 02:00 Hours	

TYPE OF EVENT: COMPETITION

EVENT NAME: PYTHON GENIUS CHALLENGE

Target Audience: II Semester MCA Students	Number of Participants: 72	Event Coordinator: Farzeen Basith, A R Deepti
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Objectives:

1. To assess students' proficiency in Python programming through practical coding challenges.
2. To enhance students' problem-solving, logical thinking, and algorithmic skills by solving programming tasks.
3. To encourage students to develop coding excellence, creativity, and a healthy competitive spirit in Python programming.

Program Introduction:

The Python Genius Challenge is a coding competition that provides students with an opportunity to showcase their Python programming and problem-solving skills. The event promotes logical thinking, coding efficiency, and a healthy competitive spirit while encouraging the practical application of Python concepts.

Theme of the Event:

Code, Solve, Excel-Code with confidence, solve problems creatively, and excel through continuous learning.



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Detailed Report:

The Python Genius Challenge was organized by the Department of Master of Computer Applications (MCA) with the objective of providing students with a platform to demonstrate and enhance their Python programming skills. The competition aimed to strengthen students' logical thinking, analytical abilities, problem-solving skills, and coding efficiency through a series of challenging activities.

The competition was successfully coordinated by Ms. Farzeen Basith and Dr. Deepti A. R., with the active support of student coordinators Suprith, Bharath, Swastik, and Arman, who efficiently managed the event proceedings and ensured the smooth conduct of all competition rounds.

The event comprised four challenging rounds designed to assess different aspects of Python programming. The first round, Coding Challenge, required students to solve programming problems within a specified time limit. The tasks assessed their understanding of Python syntax, control structures, functions, data structures, and algorithmic thinking. Participants were evaluated based on the correctness, efficiency, and quality of their solutions.

The second round, Challenge Yourself, presented students with advanced programming tasks that required critical thinking and logical reasoning. Students analyzed programming scenarios and developed effective solutions using appropriate Python concepts. This round encouraged innovation, creativity, and the practical application of programming knowledge while enhancing confidence in tackling challenging coding problems.

The third round consisted of complex multiple-choice questions (MCQs) covering Python fundamentals, object-oriented programming, functions, modules, file handling, exception handling, libraries, and other core programming concepts. This round evaluated the participants' conceptual understanding and technical proficiency in Python.

The final round focused on error finding and debugging, where participants identified and corrected syntax, logical, and runtime errors in Python programs. This round assessed their problem-solving, analytical thinking, and debugging skills.

The Python Genius Challenge witnessed enthusiastic participation and healthy competition among students. The event enhanced students' coding proficiency, logical reasoning, debugging capabilities, and confidence in Python programming. It also promoted teamwork, time management, and a spirit of continuous learning. Overall, the competition served as an excellent platform for students to showcase their technical abilities and develop programming competencies essential for academic excellence and future careers in the software industry.



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Geotagged Photographs:



Pre-Competition Instructions to Participants



Students Participating in the Quiz Round



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Code Development Session During the Competition



Higher-Order Thinking MCQ Round



Error Detection and Code Debugging Round

Outcomes:

1. Students enhanced their Python programming proficiency by applying programming concepts to solve coding challenges and debugging tasks.
2. The competition strengthened students' logical reasoning, analytical thinking, and problem-solving abilities through practical and time-bound activities.
3. The event fostered confidence, technical competency, and a healthy competitive spirit, motivating students to improve their coding skills and prepare for future technical challenges.

Conclusion and Audience Feedback Summary:

The Python Genius Challenge successfully enhanced students' Python programming, problem-solving, and debugging skills through a series of competitive and engaging rounds. The event provided valuable practical learning and encouraged students to strengthen their technical competencies.

Students gave positive feedback, appreciating the well-organized competition and the variety of challenges. They found the event informative, engaging, and helpful in improving their programming skills and confidence.

