

**A Report on A One-week Industrial Expert Training Program on  
“Mastering Competitive Coding in Python: An Industrial Expert Training Program”  
Organised by Department of Computer Science & Technology  
from 30-12-2024 to 05-01-2025**



**Report Submitted by: Mr. N. Jannubabu, Assistant Professor, Department of Computer Science & Technology.**

**Event Organized by: Mr. N. Jannubabu, Assistant Professor, Department of Computer Science & Technology; Dr. Koppiseti Giridhar, Assistant Professor, Department of Computer Science & Technology.**

**Resource Person Details: Mr. Gokul Kumar V, Founder and CEO, Hysteresis Pvt. Ltd, Pune.**

**Participants: IV Year CST Students**

**Attendance: 90 participants**

**Venue: Seminar Hall B**

**Mode of Conduct: Offline**

**Report Received on 04.02.2025.**

**Timings: 10:00 AM to 12:00 PM & 01:00 PM to 05:00 PM**

Department of Computer Science & Technology has organized A One-week Industrial Expert Training Program on “Mastering Competitive Coding in Python: An Industrial Expert Training Program” from **30.12.2024** to **05.01.2025** from 10:00 AM to 12:00 PM & 01:00 PM to 05:00 PM

#### **Welcome Address:**

The event commenced promptly at 10:00 AM with a warm and engaging welcome address to all by **Mr. N. Jannubabu, Assistant Professor, Department of CST**, Madanapalle Institute of Technology & Science (MITS), Madanapalle. The main objective of the One-week Industrial Expert Training Program on “Mastering Competitive Coding in Python: An Industrial Expert Training Program” We are honored to have with us Mr. Gokul Kumar V, Founder and CEO of Hysteresis Pvt. Ltd., Pune, who will be sharing his vast knowledge and industry experience with us throughout this program. His expertise in Python and competitive coding will undoubtedly provide invaluable insights and practical knowledge to all participants.

#### **Resource Person Profile:**

The event commenced promptly at 10:10 AM with a warm and engaging welcome address to all by **Dr. Koppiseti Giridhar, Assistant Professor, Department of CST**, Madanapalle Institute of Technology & Science (MITS), Madanapalle. Mr. Gokul Kumar V is the Founder and CEO of Hysteresis Pvt. Ltd., a leading tech company based in Pune, specializing in advanced software solutions and coding platforms. With a rich background in competitive programming and Python, Mr. Gokul has been instrumental in helping young talents hone their coding skills for industry and competitive exams. With more than 10 years of experience in the tech industry, he has worked with numerous startups and tech giants, providing strategic direction in software development and technical training. His expertise spans a variety of domains, including data structures, algorithms, machine learning, and coding for placements.

As a mentor and educator, Mr. Gokul has conducted numerous workshops and training sessions for students aspiring to excel in coding competitions and technical interviews. His approach to teaching is both practical and theory-driven, focusing on hands-on experience, problem-solving strategies, and efficient coding techniques. Through this session, Mr. Gokul aims to share his insights and practical knowledge with students, helping them enhance their competitive coding skills and prepare for successful careers in the tech industry.

## Resource Person Lecture:

It is an honor and privilege to introduce the distinguished resource person for today's session, Mr. Gokul Kumar V, Founder and CEO of Hysteresis Pvt. Ltd., Pune.

Mr. Gokul Kumar V is a visionary leader and an accomplished expert in the field of Python programming and competitive coding. With years of industrial experience, he has made significant contributions to the tech industry, driving innovation and excellence through his work at Hysteresis Pvt. Ltd. His passion for coding, problem-solving, and mentoring young talents has helped numerous students and professionals excel in the world of competitive programming. In this One-week Industrial Expert Training Program on "Mastering Competitive Coding in Python," Mr. Gokul Kumar V will be sharing his deep insights into advanced coding techniques, industry best practices, and strategies to tackle complex algorithmic challenges efficiently.

### One-Week Industrial Expert Training Program

**Topic:** Mastering Competitive Coding in Python

**Resource Person:** Mr. Gokul Kumar V, Founder and CEO, Hysteresis Pvt. Ltd., Pune

**Audience:** Fourth Year Computer Science & Technology Students

### Session Schedule:

**Day 1: Introduction to Competitive Programming & Python Basics**    **Day 2: Mastering Data Structures**



**Day 3: Algorithm Design & Advanced Data Structures**  
**Day 4: Recursion & Dynamic Programming (DP)**

**Day 5: Graph Algorithms & Greedy Techniques**



**6: Mock Contests & Real-Time Coding Challenges**

**7: Program Conclusion & Valedictory Session**



## **Vote of Thanks by Mr. N. Junnubabu, AP/CST**

It's my privilege to deliver the vote of thanks for this wonderful session of the One-week Industrial Expert Training Program on "Mastering Competitive Coding in Python".

Firstly, I would like to express my heartfelt gratitude to Mr. Gokul Kumar V, Founder & CEO of Hysteresis Pvt. Ltd., Pune, for graciously taking time from his busy schedule and sharing his immense knowledge and expertise with us. His session today was insightful, and I am sure all of us are leaving with a deeper understanding of competitive coding, problem-solving strategies, and Python programming. Thank you, sir, for your valuable contribution to our learning.

I would also like to thank our respected faculty members, who have been supportive in organizing this training program and ensuring everything runs smoothly. Your guidance and encouragement continue to inspire us all.

A special thanks to the students for their active participation and enthusiasm throughout the week. I hope this training has equipped you with the tools and skills needed to excel in your placement interviews and coding competitions.

Last but not least, I would like to thank everyone involved behind the scenes – the organizing team, technical staff, and volunteers – for their hard work in making this event a success.

Once again, thank you all for being a part of this enriching experience. I wish you all the best in your future coding endeavors and hope you apply the knowledge gained here to achieve great success.

### **Outcomes:**

#### **At the end of Program, Students can able to,**

- Improved Problem-Solving Skills – Ability to approach and solve complex coding problems effectively.
- Strong Foundation in Data Structures & Algorithms – Knowledge of key concepts like arrays, stacks, queues, graphs, and dynamic programming.
- Efficient Python Coding – Writing clean, optimized, and faster code for technical assessments.
- Placement Readiness – Confidence to tackle coding rounds in placement drives and technical interviews.
- Understanding Time & Space Complexity – Skills to analyze and optimize code performance.
- Hands-on Coding Practice – Real-time problem-solving through mock tests and coding challenges.