

**A Report on Alumni Guest Lecture on**  
**“Role of Performance tester: Sharing updates on current opportunities”**  
**In association with IIC/MITS on**  
**26.10.2023**



**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE**  
(UGC-AUTONOMOUS INSTITUTION)  
Madanapalle-517325, Annamaya Dist., Andhra Pradesh

In Association with IIEE, IIC, NBA, NAAC, NIRF

Organized by  
Department of Computer Science & Technology  
**Alumni Guest Lecture on**  
**"Role of performance tester:  
Sharing updates on current opportunities"**  
**Resource Person**  
**Ms. D. Reddy Sowmya**  
Program Analyst  
Cognizant Technology Solutions India Pvt.Ltd, Bangalore.  
Date: 26<sup>th</sup> October 2023 Time: 1:00 PM to 3:00 PM

Chief Patron: Dr. N. Vijaya Bhaskar Choudary, Ph.D., Secretary & Correspondent  
Patron: Mrs. Keerthi Nadella, Executive Director  
Program Chair: Dr. C. Yuvaraj, Principal  
Co-Chair: Dr. Basabi Chakraborty, Professor & Dean / CST  
Convener: Dr. M. Sreedevi, Professor & HOD / CST  
Co-Organizers: Mr. D. Suresh, Assistant Professor; Mr. V. Naveen, Assistant Professor

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**Organized by:** Mr. D. Suresh, Assistant Professor, Department of CST and Mr. V. Naveen, Assistant Professor, IIC Coordinator, Department of CST

**Submitted by:** Mr. D. Suresh, Assistant Professor, Department of CST

**Resource Person Details:** Ms. D. Reddy Sowmya, Program Analyst, Cognizant Technologies Solutions India Pvt. India, Bangalore

**Participants:** II Year CST Students

**Attendance:** 72 participants

**Venue:** CST Department

**Mode:** Offline

Department of Computer Science & Technology has organized an **Alumni Guest Lecture on “Role of Performance tester: Sharing updates on current opportunities”** on **26.10.2023**(Thursday) in association with IIC, MITS from 1:00 PM to 03:00 PM.

**WELCOME ADDRESS:**

The event commenced promptly at 1:00 PM with a warm and engaging welcome address to all the audience by **Mr. D. Suresh, Assistant Professor, Department of CST**, Madanapalle Institute of Technology & Science (MITS), Madanapalle. The main objective of an alumni guest lecture on **“Role of Performance tester: Sharing updates on current opportunities”** is to enhance the testing skills of the students in the field of software testing.

In his address, he highlighted the significance of the alumni guest lecture on performance testing. It provides a unique opportunity for our current students to engage with a successful alumnus, learn from their experiences and consider potential career paths in testing related fields.



### Resource Person Lecture:

Ms. D. Reddy Sowmya, Program Analyst, Cognizant Technologies Solutions India Pvt. India, Bangalore started to explain about what is performance testing and she explained about the roles played by a tester in software development.

She added up with Performance tester does volume testing on large amounts of data to see how well the software performs with a high projected data volume. The purpose of volume testing is to evaluate system performance with huge data volume in the system.

Performance Tester or Performance Test Engineer is the critical resource for any performance testing projects. They are the building blocks for the project. Following are their responsibilities.

- Understanding the non-functional requirements from business
- Analysing the critical business scenarios
- Analysing the service level agreement objectives
- Developing the test scripts
- Enhancing the scripts by creating/implementing
  - Parameterization
  - Checkpoints
  - Transactions
  - Reusable functions
  - Correlations
  - Actions/Blocks
  - Iterations
  - Pacing
  - Think Time
- Designing workload model
- Test Execution
- Test Monitoring
- Analysing the test results
- Preparing the test report



Lead Performance Tester or Team Lead are the captain for the ship who ensures safe travel. They might not involve in scripting and execution, but they should lend their hands if the tester is facing any issue in scripting.

Following are their responsibilities:

1. Conduct meeting with the business or development team to identify the scope
2. Thorough understanding of business and the infrastructure
3. Preparing the performance test strategy
4. Analysing the tool capabilities
5. Securing the performance test environment
6. Communicating with business/development team manager regularly
7. Coordinating performance testers and monitoring their progress
8. Reviewing the test scripts
9. Reviewing the workload model
10. Reviewing the test execution results
11. Reviewing the final test results
12. Conducting defect triage meetings
13. Presenting the report to the development/business team
14. Securing the approvals from the architects

### Vote of Thanks:

The alumni guest lecture formally concluded with a vote of thanks delivered by **Mr. V. Naveen, Assistant Professor, Department of CST**. In his address, he expressed sincere gratitude to resource person for taking the time to share their expertise and inspire our students and promoting a culture of lifelong learning.