Processor Architecture and Organisations

TA Activity Report

On

“tool name”

Submitted By

2. More Vivek Sanjay (Roll No. 08)
3. Rane Parth Suhas (Roll No. 22)
4. Chavan Tanmay Nandu (Roll No. 25)
5. Gawali Harsh Rajendra (Roll No. 29)

Under the Guidance of

Prof. K. R. Patil

Department of Computer Engineering The Shirpur Education Society’s

R. C. Patel Institute of Technology, Shirpur - 425405. [2023-24]

Course Outcomes Covered

CO4: Understand various parameters to evaluate processor performance

Program Outcomes Covered

PO5: Modern tool usage.

PO9: Individual and team work.

PO11: Project management and finance.

PO12: Life-long learning.

TA Activity report format

I. Introduction

- Brief overview of the importance of CPU performance optimization in modern computing.
- Introduction to the various tools available for monitoring and optimizing CPU performance.

II. Understanding CPU Performance

- Explanation of key metrics for CPU performance evaluation, including clock speed, core count, cache size, and thermal design power (TDP).

III. Monitoring Tools

- Discussion of software tools for real-time monitoring of CPU performance metrics.
- Explanation of how these tools can be used to identify CPU bottlenecks and monitor resource usage.

V. Benchmarking Tools

- Introduction to benchmarking tools for assessing CPU performance relative to industry standards or competing hardware.
- Examples include Geekbench, Cinebench, and SPEC CPU benchmarks.
- Explanation of how benchmarking tools can be used for performance comparisons and hardware selection.

IX. Conclusion

- Recap of key points regarding the importance of CPU performance optimization.
- Summary of the various tools available for monitoring, profiling, benchmarking, and optimizing CPU performance.

X. References

- Citations for sources referenced throughout the report.

PPT

Max 4 ppts onone page