

Quantum computing: The Next Step in Computing

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Abstract—Quantum Computing

Index Terms—Quantum Computing, classical computing, ready, mechanics.

I. INTRODUCTION

- A. *A Brief History of Computing*
- B. *Next Generation and Current Limitations*

II. NEXT GENERATION

- A. *The Definition of Quantum computing*
 - 1) *Calculations:*
 - 2) *Medical Fields:*
 - 3) *Research and Development :*

III. PROPOSED TECHNOLOGIES

- A. *Transmons*
- B. *Logic gates*
- C. *Qubits*
- D. *energy*

IV. THE FUTURE OF QUANTUM COMPUTING

- A. *Problems Facing Quantum Computing*
 - 1) *Technological limitations :*
 - 2) *Infrastructure:*
- B. *Possible Use Cases*
 - 1) *In Day-to-Day Life:*
 - 2) *The Bigger Picture:*

V. CONCLUSION