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Technical Seminar (18CS7TS01)

Report On

"EDGE COMPUTING"

Submitted by-

SHREYAS T M

18CS088

In partial fulfillment of requirements for the award of degree

BACHELOR OF ENGINEERING IN

COMPUTER SCIENCE AND ENGINEERING

Under the guidance of

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SRI SIDDHARTHA INSTITUTE OF TECHNOLOGY

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



CERTIFICATE

This is to certify that the Technical Seminar entitled "EDGE COMPUTING" is presented by SHREYAS T M (18CS088) in partial fulfillment for the award of degree of BACHELOR of ENGINEERING in Computer Science and Engineering during the academic year 2021-22.

It is certified that all the corrections/suggestions indicated for internal assessment have been incorporated in the report.

TUMKUR

Signature of the guide

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Place: Tumakuru

Date:

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ABSTRACT

Digital Transformation and emerging technologies will enable everything "smart" like cities, agriculture, cars, health, etc. in the future. This requires the massive deployment of Internet of Things (IoT) sensors along with the edge/cloud computing. The Internet of Things (IoT) and the success of rich cloud services have pushed the horizon of a new computing paradigm, edge computing, which calls for processing the data at the edge of the network. Edge computing has the potential to address the concerns of response time requirement, battery life constraint, bandwidth cost saving, as well as data safety and privacy. In this, we introduce the definition of edge computing, followed by several case studies. Finally, we present several challenges and opportunities in the field of edge computing, and hope this will gain attention from the community and inspire more research in this direction.

CONTENTS

- Abstract
- Introduction
- Literature Survey
- Working
- Components
- Advantages
- Applications
- Future Scope
- Conclusion
- Bibliography