

UNIVERSITY PARTNER



## Academic Skills and Team-based Learning (4CIO18)

### Report Writing

#### Professional organization

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## **Abstract**

This study gives a general summary of IEEE, detailing its background, goals, services, products, competitive dynamics, and prospects. The conclusions from market research, financial analysis, and operational reviews are presented, together with ideas for improving the company's expansion and competitiveness. This study offers a thorough and data-driven examination of the company's present situation and potential for the future, and management.

Mention some suggestions for professional and academic growth as well.

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## OVERVIEW

The IEEE, the leading engineering professional group in the world, is focused on advancing mankind with technology. Institute of Electrical and Electronic Engineers is what it stands for. Its goal is to build, maintain, and advance the fundamental technologies of the world. It supports the cooperation of goods and service industries in order to improve the standard of living and facilitate communication. IEEE is the world's largest technical professional society, committed to increasing revolution and technological superiority for the advantage of civilization. IEEE helps, develops, and advances international technology creation. IEEE SA, a pioneer in the development of industry standards across a large variety of technologies, transforms exactly how individuals living, work, and communicate by developing the functionality, resources, protection, and interconnection of goods and customer services.



*Figure 1 IEEE*

### 1.1 IEEE

It is designed to help professionals in all fields of science and technology, not including electrical, electronic, and computer science, as well as related professions, which form the institution of modern society. It was first mentioned in 1884, while electricity started to have a general impact on humanity. Since the 1840s, the telegraph, one of the oldest electrical enterprises, has connected the world with an information public services system more rapidly than the capacity of transport. The mobile phone, electric power, and lighting businesses were all in their primary periods.

About 1,000 employees work with IEEE to support its activities. Key executives and the Executive Director make up the Management Council. It oversees the IEEE's personnel management. Since January 2017, Karen Bartleson has served as IEEE's president and chief executive officer. (pradesh, 2023)

The societal roles of the technologies developed under the supports of IEEE grew throughout the following decades, affecting more aspects of people's lives and spreading around the globe. IEEE Organizations developed from the prototype institutions' professional associations and technical councils. At the start of the twenty-first century, the IEEE has 39 Societies, 130 journals, businesses, and journals, more than 300 meetings per year, and 900 active agent requirements to serve the needs of its members. IEEE has become a global institution to improve its skill in providing

manufactured goods and services to members, industry, and the general society. Online, you can access publications, educational activities, and member services such as election and renewal. IEEE will have over 395,000 members from 160 countries by 2020. IEEE continues the world's greatest technical professional society due to its large global network of countries, regions, publications, web services, and conferences.(organization, 2023)

Besides electrical engineering and computing, a wide range of other topics are also of interest to IEEE, including microparticles or biomedical engineering, biology, robots, electronics, and many others.

IEEE concentrates on the following topics:



Electrical Engineering

Electronics Communication Engineering

Computer Engineering

Information and Communication  
Technology

## **1.2 Advantages of IEEE**

It is the technological profession society. It aims to advance modernization and technology quality for the benefit of civilization. Let's us see the advantage IEEE brings to society. The advantages are as follows:

- Data or information communication is faster than transportation speed.
- It offers manual module control for transmission, and data or information transmission is faster than transportation speed.
- Because of its multi-path data transmission, it lowers the possibility of errors.
- It is a sociologically positive nonprofit organization.

## **1.3 Disadvantage of IEEE**

Having discussed the advantages of IEEE, now its disadvantages. The disadvantages are as follows:

- It includes unlawful use.
- Network protection is in threat.
- Regular upkeep is necessary.

## **Conclusion**

The goal of this study was to discover reasonable solutions for repetitive motions. In terms of development and evolution, the information technology platform has advanced quickly. Student member programs, branch activities, and student conferences should all be available for student development to help the organization's future. through membership in and participation in the Career Technical Society, volunteer and leadership opportunities, and resources for IEEE publications and research.

## References

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