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From the Principal's Desk



It gives me an immense pleasure and pride to publish the proceedings of the National Conference on “*Exploring Pillars for Viksit Bharat 2047.*” This conference has provided a valuable academic platform for academicians, researchers, and information professionals to deliberate on the changing role of different contributors to the development of the nation and achievement of the objectives.

The National Conference on “Exploring Pillars for Viksit Bharat- 2047” is a visionary platform aimed at fostering dialogue, innovation, and collaboration to realize the goal of a Developed India by 2047. The conference brought together policymakers, academicians, industry leaders, entrepreneurs, students, and civil society to deliberate on transformative strategies for inclusive, sustainable, and technology-driven national growth.

This national conference successfully addressed contemporary issues, recent trends, and challenges and role of various sectors in achieving objectives of Viksit Bharat. Through keynote addresses, panel discussions, paper presentations, and interactive sessions, the conference paved way to generate actionable insights and policy-oriented recommendations for nation-building. Let this conference serve as a catalyst for ideas that empower our citizens, strengthen our institutions, and contribute to building a prosperous and self-reliant India.

I extend my sincere appreciation to the Editor, Miss Dipali Chavan for her dedicated efforts in bringing out this conference issue. I also congratulate the organizing committee, reviewers, authors, and all contributors for their academic involvement and commitment towards the success of this conference.

I am confident that this publication will serve as a valuable reference source for researchers, students, and professionals in the field of Commerce and Management and Social Sciences. I wish the journal every success and hope it will inspire further research and innovation in the field and Vision of Viksit Bharat-2047.

Dr. Gurunath Fagare
Principal
Kisan Veer Mahavidyalaya, Wai

From the Editorial Desk



We are pleased to present this special issue of the journal dedicated to the National Conference on “*Exploring Pillars for Viksit Bharat 2047*”, organized by the Department of Commerce and Management, BCA, and Psychology, History, Political Sciences, Economics in association with IQAC. This issue provides a platform for academicians, researchers and information professionals to share their research findings, experiences and innovative practices related to the application for “*Exploring Pillars for Viksit Bharat 2047*”.

This enthusiastic participation of academicians, researchers, and scholars across the nation reflects the collective intellectual commitment towards contributing to the vision of Viksit Bharat 2047 — a developed, self-reliant, and globally competitive India. The research papers submitted cover diverse dimensions such as economic growth, sustainable development, digital transformation, governance, reforms, social empowerment, innovations, and entrepreneurship. Each contribution adds meaningful insight into the structural and strategic pillars required to achieve the national vision of Viksit Bharat

As Chief Editor, I sincerely appreciate the dedication of all authors, reviewers, members of the organizing committee, and IQAC for maintaining academic rigor and quality throughout the review and publication process. The success of this conference is a testament to our institution’s commitment to fostering research culture, interdisciplinary dialogue and academic excellence.

I sincerely appreciate the valuable contributions made by the authors, whose scholarly papers have enriched the knowledge and added literature through this journal issue. I am also grateful to the reviewers and editorial board members for their critical evaluation and constructive suggestions, which helped maintain the academic quality of the publication. Special thanks are due to the organizing committee and all contributors who worked tirelessly for the successful completion of this conference journal.

My personal gratitude goes to the eminent personality Hon’ble Dr. Deepak Karanjikar, Advisor, Viksit Maharashtra, Government of Maharashtra who had accepted our invitation as Chief Guest of Inaugural Function and Keynote Speaker, shared his views and ideas. Dr. Parashram Patil , Advisor, Viksit Maharashtra, Government of Maharashtra had accepted our invitation as Resource Person and Dr. Major Ashok Giri, Principal A.S.S.M, Medha for sharing their valuable views in Valedictory function.

We owe our sincere thanks to Hon’ble Shri. Madandada Bhosale, President, Janata Shikshan Sanstha, Wai who is the constant source of inspiration and driving force behind the execution of innovative ideas. We are thankful to secretary Hon’ble Dr. Jayawant Chaudhari for his kind support in the venture. I express my gratitude to Hon’ble. Principal Dr. Gurnath Fagare for his constant support. The organizing committee member also contributed a lot for the success of the Conference. The said conference would not have been successful without cooperation and support of the faculty, library staff and administrative staff. I thank all of them for their kind support and cooperation.

I am confident that this issue will serve as a useful source of knowledge and inspiration for professionals, researchers and students. I hope it will encourage further research and innovation, contributing to the continuous development of Viksit Bharat in digital era.

Executive Editor

Miss. Dipali Chavan

Assistant Professor, Department of Commerce and Management
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From the Editorial Desk

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Abstract

Technology is changing quickly, which has caused more cyber security problems. These issues can cause big trouble for people, companies, and countries. This paper looks at new cyber security dangers and ways to protect against them, focusing on the present threats, weaknesses, and steps taken to defend against them. The study uses both qualitative and quantitative methods together to look into the types of new threats and what works best in defending against them.

Introduction

More and more, people are using digital technology, which has opened up new ways for hackers to attack, making cyber security a very important issue. New dangers, like attacks using artificial intelligence and weaknesses in Internet of Things devices, are creating big problems for security experts. This paper looks at the present situation of cyber security threats and the ways we protect against them, and finds where things are missing or where we can do better.

Cyber security threats are harmful actions meant to attack digital resources, which can lead to the loss of secret information, damage to data, and disruption of services. Common threats include:

Phishing is a type of social engineering attack where hackers use emails, text messages, or phone calls to trick people into sharing private or important information.

Ransomware is a type of bad software that locks up files and asks for money in exchange for the code needed to unlock them.

IoT Vulnerabilities: Using weaknesses in Internet of Things devices to get into them without permission.

AI-powered attacks involve using artificial intelligence to carry out complex and focused assaults.

Malware is software that is made to damage or take advantage of computer systems, and it includes things like viruses, Trojans, and spyware.

These threats can lead to:

- Data breaches
- Financial losses
- Disruption of services
- Reputation damage

AI and ML are changing how threats are detected with uses such as:

- Machine learning algorithms look at the data moving through a network to spot unusual activity and warn about possible dangers.
- AI systems check files and code to find and stop any harmful activities.
- Machine learning models watch how users act to spot unusual behavior, which can show if someone inside the company is causing harm or if a user's account has been taken over.
- AI-powered tools find weaknesses in software and systems, helping to decide which issues need fixing first.
- Machine learning algorithms look at emails and messages to find and stop phishing attempts.

From the Editorial Desk

These applications enable:

- Faster threat detection
- Improved accuracy
- Enhanced incident response
- Better risk management

History

The idea of keeping personal information private in libraries has grown as technology has improved and people's expectations about protecting their data have changed. Here is a short summary of important developments.

- **Pre Digital Environment of Library:** In the time before digital technology, libraries mainly took care of physical books and handwritten manuscripts. The idea of data privacy wasn't as important as the main goal was to keep customer records and their borrowing history secret. Mostly librarians cared about the privacy of the people who used library services.

- **Introduction of Automated System:** When automated library systems came in the 1970s and 1980s, libraries began moving from keeping records by hand to using computer databases.
- This change made some people worried about the safety and privacy of the information about library users that was now stored on computers.
- **American Library Association (ALA) Guidelines:** The ALA was important in making sure privacy was a key part of library services.

In 1975, the ALA adopted the "code of ethics," which explained how to handle library records. This code laid the foundation for thinking about user privacy in an ethical way.

- **The rise of the Internet and online resources:** In the 20th century, the introduction of the Internet and the digitization of library collections created new challenges and opportunities. Libraries began offering online resources and services, which raised worries about security and the risk of people getting access without permission. To handle this, libraries used digital rights management and access control tools to manage access to e-resources and keep copyrighted material safe. While DRM addressed issues of intellectual property. It also brought up and gathered data about resource usage.

Literature Review

A literature review is the process of looking at and examining scholarly sources like books, articles, journals, and analysis reports related to a specific topic. It involves a detailed look at what has already been studied about a particular subject, in this case, information security and privacy in digital libraries. The buildings and equipment that hold digital information are at risk from many dangers like stealing, breaking, and harmful computer programs such as viruses and other types of malware (Zimmerman, 2009). Hardware, other equipment, and networks — including wireless ones — need to be properly protected to stop people from getting into them or harming the data stored there (Al-Suqri & Afzal, 2007). Regular data backups are also important to protect against losing data, along with other methods of keeping data safe (Anday et al., 2012). Legal and ethical considerations in digital libraries are very important for making sure that digital resources are managed, shared, and used in a responsible way. Here are some important things to think about:

- **Copyright and Intellectual Property Rights:** Digital libraries usually include materials that are protected by copyright. It's important to follow copyright rules and get the right permission before copying and sharing materials that are protected by copyright. Libraries should continue to use the right principles and make sure to give proper credit to the authors and creators. Digital libraries might gather and keep information about users, like what they search for, how they use the library, and any personal details they provide. Libraries need to have strong rules and protections to keep users' privacy safe. They should follow important laws like the General Data Protection Regulation (GDPR) in the European Union or the California Consumer Privacy Act (CCPA) to make sure users' personal information is handled properly and with their

consent. Digital libraries need to be easy for everyone to use, including people who have disabilities. Libraries need to follow accessibility rules like the Web Content Accessibility Guidelines (WCAG) to make sure their online materials can be used by people with different abilities.

Problem Statement

More cyber attacks are happening more often and becoming more advanced, putting at risk the security, accuracy, and accessibility of digital information, which shows why it's important to have strong ways to protect against them.

Objective

- To look into new cyber security dangers and ways to protect against them, figure out good solutions and where more study is needed.

Hypothesis

1. New cyber security dangers are becoming more complex and harder to spot.
2. The existing ways of protecting against threats are not enough to handle the new dangers that are appearing.
3. Using smart tools like artificial intelligence and machine learning can help lower the chances of cyber attacks happening.

Research Methodology

This study employs a mixed-methods approach, combining:

1. Looking at existing research and writings about new cyber security dangers and ways to protect against them.
2. Looking at numbers from trusted sources about cyber attacks.

Key Findings

1. New dangers like phishing, ransomware, and weaknesses in smart devices can cause big problems for digital stuff.
2. The existing security tools, like firewalls and systems that detect intrusions, aren't enough to handle new and growing dangers.
3. Advanced security tools like artificial intelligence and machine learning can help lower the chances of cyber attacks happening.

Conclusion

The research shows how cyber security threats are changing over time and the importance of having strong ways to protect against them. Using smart techniques like artificial intelligence and machine learning can help deal with new and growing dangers.

Future Scope

1. Looking into how new technologies like quantum computing affect cybersecurity.
2. Creating better ways to protect against attacks that use artificial intelligence.
3. Looking at how human elements affect cyber security, like how aware people are and the choices they make.

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