















sensors to identify library services. This is consistent with Hussain's (2019) statement that some libraries are incorporating IoT technology, such as Smart Building

technology, into their systems to aid in increased visibility and unique identification of library materials.

TABLE V RESPONSE ON BENEFITS OF THE INTERNET OF THINGS

Sl. No.	Benefits of the Internet of Things	Strongly Disagree		Disagree		Agree		Strongly Agree		Mean
		F	%	F	%	F	%	F	%	
1	Prevents library collection misuse and misplacement	0	0.0	0	0.0	8	21.6	29	78.4	3.78
2	Provide access to library materials virtually	0	0.0	0	0.0	11	29.7	26	70.3	3.70
5	Organise self-guided tours for users	0	0.0	1	2.7	15	40.5	21	56.8	3.54
6	Promote a positive image of the library	0	0.0	1	2.7	13	35.1	23	62.2	3.59
8	It saves the patron's time	0	0.0	0	0.0	9	24.3	28	75.7	3.76
7	Improve Librarians' work efficiency	0	0.0	0	0.0	11	29.7	26	70.3	3.70

Source: Field survey, 2022

As shown in Table V above, 100 % of the 37 respondents strongly agreed that the benefits of the IoT in Nigerian university libraries include preventing library collection misuse and misplacement, saving patrons' time, and improving librarians' work. Further analysis revealed that 97.3% of the respondents note that it also promotes a positive image of the library; and helps to organise self-guided tours for users.

IoT benefits Nigerian university libraries by preventing library collection misuse and misplacement, saving patrons time, improving librarians' work efficiency, and providing virtual access to library materials (Mohammed & Yegane, 2018; Bayana *et al.*, 2017). It also enhances the library's image by organising user-self-guided tours and simplifying back-office processes like inventory control, collection organisation, and storage (Wojcik, 2016).

## VI. CONCLUSION

The Internet of Things (IoT) has enormous potential for libraries. If implemented correctly, it may yield the desired results and add value to library resources and services. Undoubtedly, university libraries in Nigeria are exposing themselves to modern technologies to provide quality services to their clientele. Along the line, most library professionals have acquired knowledge about concepts, functions, and benefits of the Internet of Things (IoT) technologies which can be tweaked to improve information service delivery, even though only a few of these Internet of Things technologies exist in the university libraries. However, based on the findings of this study, they have failed to adopt most of the existing Internet of Things (IoT) technologies (Measure the Future, Magic mirror, Spotzer, Bluu Beam, Beacon, among others) to a full extent.

As a result, the study concluded that for IoT technologies to reach their full potential in Nigerian university libraries, library management and staff must work together to raise awareness and source funding for its implementation and use in Nigerian university libraries. IoT has emerged and

will continue to change how library services are delivered; our choice is to keep up with the smart world or fall behind.

## VII. RECOMMENDATIONS

This study hereby recommends as follows.

1. The study identified that only a few IoT technologies are available in Nigerian University libraries. As a result, there is a need to increase awareness of other existing IoT technologies available to improve quality service delivery in Nigerian university libraries.
2. The study revealed that Librarians are familiar with IoT technologies in Nigerian university libraries. Therefore, University Library management should implement appropriate measures for its use in various library routines and departments.
3. The study revealed that Nigerian university Librarians have an excellent knowledge of the potential functions of IoT in University libraries. Hence, they should employ it to improve library services and transform it into an intelligent library.
4. The study indicated that Librarians are aware of the enormous benefits of IoT in Nigerian University Libraries. Hence, the need to embrace it to prevent library collection misuse and misplacement; save patron's time; improve librarians' work; promotes a positive image of the library and help to organise self-guided tours for users.

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