ದಲಿತ-ಬಂಡಾಯ ಸಾಹಿತ್ಯ

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TECHNOLOGICAL TRANSFORMATION IN HIGHER EDUCATION: PERSPECTIVES AND CHALLENGES

ONE DAY NATIONAL LEVEL CONFERENCE

17th June 2023

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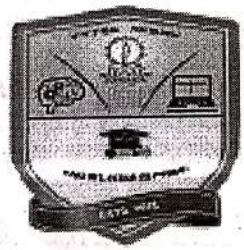

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IMPLEMENTATION OF KOHA INTEGRATED LIBRARY MANAGEMENT SOFTWARE WITH WEB OPAC IN COLLEGE LIBRARY: A CASE STUDY

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Abstract: Implementation of an integrated library management system by using koha is a very challengeable task for every librarian. This case study highlights the required technical infrastructure for koha and mentions a required database for exporting data to MARC format. The significance of the study is to elaborate the installation of koha in server computer and hosting the koha OPAC in online mode. In this case the study author encountered challenges such as availing static IP and port filtering in the network and also given possible solutions to overcome the problems. The lesson learnt and the experience gained would stand to implement a similar kind of system at various places. This study would be a better example to computerise the library and host the web OPAC with minimal cost.

Keywords: Library automation, Data migration, Koha Customisation, Port Forwarding, ATNCC Library, Web OPAC.

1 INTRODUCTION

The theme of library computerization evolved with advancement of information technology in all activities of libraries. Library mobalization consists of all routine work of libraries done through library management softwares (Kent, 1977). The Encyclopedia of Library and Information Sciences says "Library Automation is the use of automatic and semiautomatic data processing machines to perform such traditional library activities as acquisitions, cataloguing and circulation. These activities are not necessarily performed in traditional ways, the activities themselves are those traditionally associated with libraries; library

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SMART LIBRARY:

EMERGING TRENDS AND

TECHNOLOGIES

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System in DVS Evening College Library: A Case Study

Niranjana K and Manu Murthy

Abstract

KOHA is one of the best library automation software throughout the world. The significance of the study is the implication of Koha in DVS Evening College Library and discussed the kinds of challenges faced during automation and tried to provide effective solutions for those difficulties.

This paper elaborated the method of installation of koha, mentioned about effective ways to retrospective conversion from excel to koha database and hosting koha OPAC in Online mode as well. This is a practicle oriented study conducted at DVS Evening College Library, Shivamogga. Author encountered many issues related to data migration and customisation of koha in the local scenario as per college needs. This paper tried to give some possible solutions related to MARC export and customisation part. This effort can be helpful in a similar conditions in different college environment.

Keywords: *Library automation, MARC Data migration, Koha Customisation, DVS Evening College Library, Web OPAC.*

Introduction

The theme of library computerization evolved with advancement of information technology in all activities of libraries. Library mobalization consists of all routine work of libraries done through library management softwares (Kent, 1977). The Encyclopedia of Library and Information Sciences says "Library Autonation is the use of automatic and semiautomatic data processing machines to perform such traditional library activities as acquisitions, cataloguing and circulation. These activities are not necessarily performed in traditional ways the activities themselves are those traditionally associated with libraries: library automation may thus be distinguished from related fields such as information retrieval, automatic indexing and abstracting and automatic textual analysis".

A data converter must be aware about data security and accuracy while transfer and to provide an effective and efficient service to its clients (Hettiarachchi & Fernando 2010). This clearly advocates that safety measures should be taken to ensure effective management of library data.

Evening College established in 1968 which imparting education in Bachelor of Arts for Part time, government and unorganized sector employees. The college established by renowned freedom fighter of Shivamogga region through Desheeya Vidyashala Management.

About DVS Evening College Library and Information Center: DVS Evening College Library and Information Center came in existence in 1968 with 974 initial book collection. Currently library have 8505 book collection with 1875 unique titles. To enrich the students knowledge in Humanities and Arts stream, library subscribed the 8 National and Regional Journals. In addition, library has its own unique website to share the Notes, Question Papers and Electronic resources. Library website address is https://dvseveninglibrary.weebly.com/. Besides, developed android application for DVS Evening library to facilitate easy access of resources through over smart phones. To support in gaining specific services in the library, the library has 02 different levels of trained and dedicated staff.

Automation of History of DVS Evening College Library

The DVS Evening College Library started library automation with Openbiblio Software in 2019. Later, it is found that Openbiblio software cannot support the feature of Serial Management and Customised report generation. In 2021, the library planned to migrate the software from Openbiblio to Koha library manggement software.

Koha Integrated Library Software (LIS)

As per Wikipedia KOHA is a web based ILS with a SQL database (MySQL) backend, cataloguing data stored in MARC and accessible via Z39.50. The software platform is ease to redesignable, incorpotatable and it can been translated into many languages. KOHA was initially developed in New Zealand by Katipo Communication Limited and first deployed in January 2000 for Horowhenua Library Trust (Pat, 2003). Although, it has been changing in many ways day by day. Also it supports the modules for Acquisition, Circulation, Serial/Journal Management, Cataloguing, flexible searching, multi lingual supports, variety formate notices makes the koha a complete Integrated Library Management System.

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ಸಂಪುಟ-೩

ಪ್ರಗತಿಶೀಲ ಸಾಹಿತ್ಯ

ಪ್ರಧಾನ ಸಂಪಾದಕರು
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ಸಂಪಾದಕರು
ಡಾ. ರಣಧೀರ

ಶ್ರೀ ಸಿದ್ಧಲಿಂಗೇಶ್ವರ ಪ್ರಕಾಶನ
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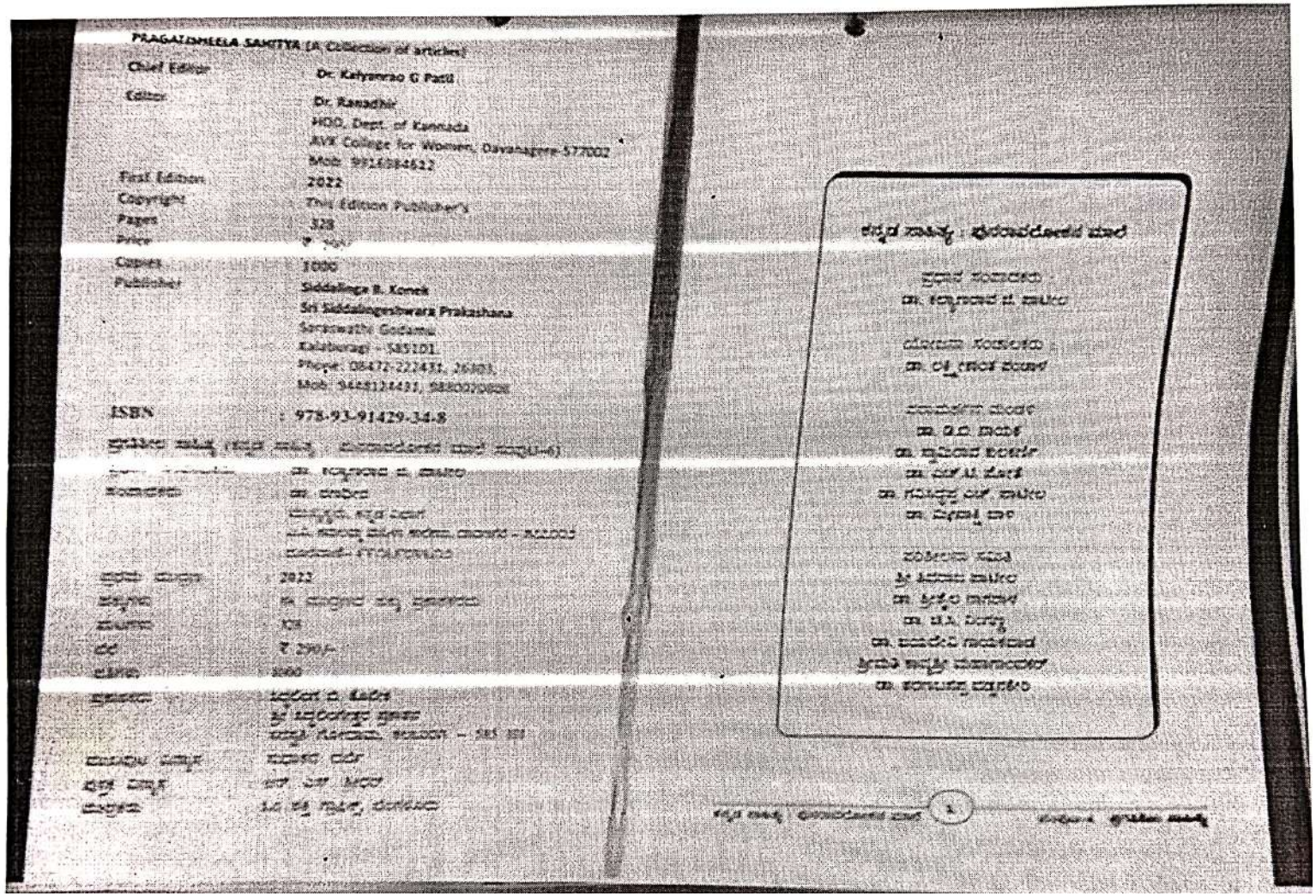

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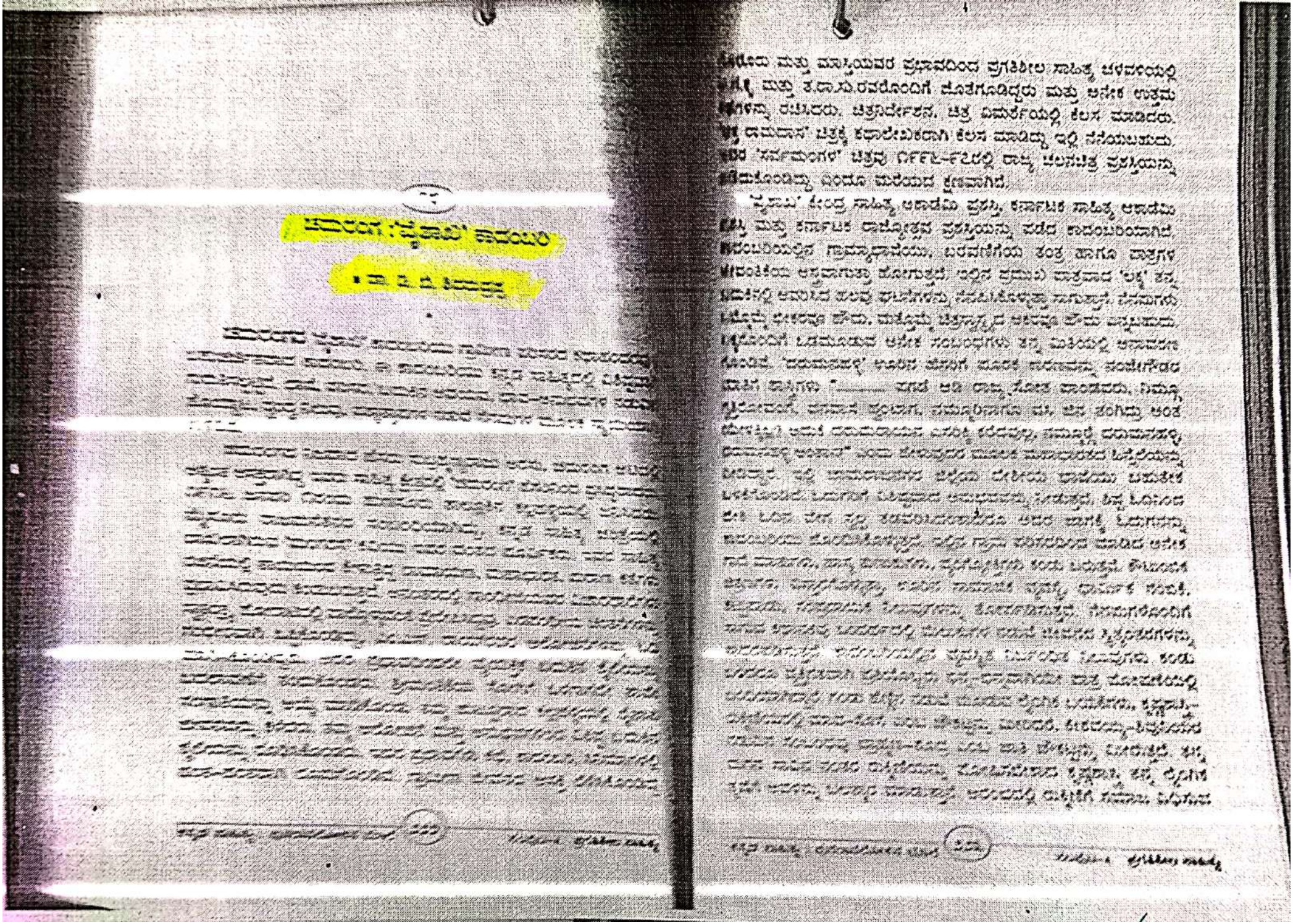

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Implementation of Library Automation by Using KOHA in DVS Library: A Case Study

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ABSTRACT

Koha is one of the best library automation software throughout the world. The significance of the study is the implication of Koha in DVS Library and discussed the kinds of challenges faced during automation and tried to provide effective solutions for those difficulties. This paper elaborated the method of installation of Koha, mentioned about effective ways to retrospective conversion from excel to Koha database and hosting Koha OPAC in Online mode as well. This is a practicle oriented study conducted at DVS Library, Shivamogga. Authors encountered many issues related to data migration and customisation of Koha in the local scenario as per college needs. This paper tried to give some possible solutions related to MARC export, customisation part and hosting Koha opac in

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Chapter 9

Implementation of Library Automation by using KOHA in DVS College Library: A Case Study

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ABSTRACT

KOHA is one of the best library automation software throughout the world. The significance of the study is the implication of Koha in DVS Library and discussed the kinds of challenges faced during automation and tried to provide effective solutions for those difficulties. This paper elaborated the method of installation of koha, mentioned about effective ways to retrospective conversion from excel to koha database and hosting koha OPAC in Online mode as well. This is a practical oriented study conducted at DVS Library, Shivamogga. Authors encountered many issues related to data migration and customisation of koha in the local scenario as per college needs. This paper tried to give some possible solutions related to MARC export, customisation part and hosting koha opac in online mode. This effort can be helpful in similar conditions in different college environment.

Keywords. Library automation, MARC data migration, Koha customization, DVS library, Web OPAC.

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ACADEMIC LIBRARIES
Challenges and opportunities

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Design and Development Library Website for Degree College Library: A Case Study

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Shivamogga, Karnataka, India.

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Abstract

The main Purpose of this paper is to make LIS professionals aware the design and development of website with the help of freely available tools and software with free of cost. This case study highlighted about website hosting process without knowing web programming language. In this study author hosted the library website for ATNC College, Shivamogga by using wix.com. Significance of the study is to know hosting process of library website and describe the kind of resources can be uploaded. So that the majority of library may be benefited which are already facing the financial crisis and authors also tried to make understand how library website can be utilize as a promotion tool.

Keywords: Library website, Design, Internet Technology, ATNCC Library, Free Web Hosting, Wix.com, Free Hosting, ICT Technology

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Introduction

Website plays a very important role in the institution. Most College libraries might also contain various educational resources like e-journals, e-books, e-content, Project reports, Articles, Syllabus, old question papers, and other digital collections. In this regard, library website is the single platform to disseminate information to its users. Nowadays all user communities use

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