



7.2. Institutional Best Practice

Title: Enhancement of Learner Experience and Scholarly Exploration by Library

Automation

Objectives:

1. To implement RFID technology and a web-based OPAC for efficient library operations and improved accessibility.
2. To expand online resources and databases to support digital literacy and distance learning.
3. To provide online learning opportunities for faculty development in teaching and research.

Context:

Bishop Heber College emphasizes supporting student academic growth and scholarly exploration.

Library automation enhances resource management, user experience, and research skills.

The Practice:

Library is automated using Integrated Library Management System (ILMS)

1. Automation with NIRMALS Pro™ 2.2.0, upgraded with RFID technology in 2023 using KOHA.
2. ILMS supports acquisition, circulation, serial control, OPAC, self-checkout, and gate entry monitoring systems.
3. 29 computers for OPAC and online resource access in the Digital Library Section.
4. Access to over 3 million+ academic resources, including books, periodicals, and e-resources.
5. Accessibility features include a Braille section, audio books, and DIVYANJAN-friendly resources.

Evidence of Success:

1. **Increased publication output** attributed to easier resource access.
2. **Enhanced skills and increased online course participation** among faculty and students.

Improved placement outcomes linked to enhanced student aptitude/skills and knowledge updation through e-learning resources and integrated digital learning platforms



Integrated Library Management Software – NIRMALS - Screenshots

Gate Entry Monitoring System (GEMS)

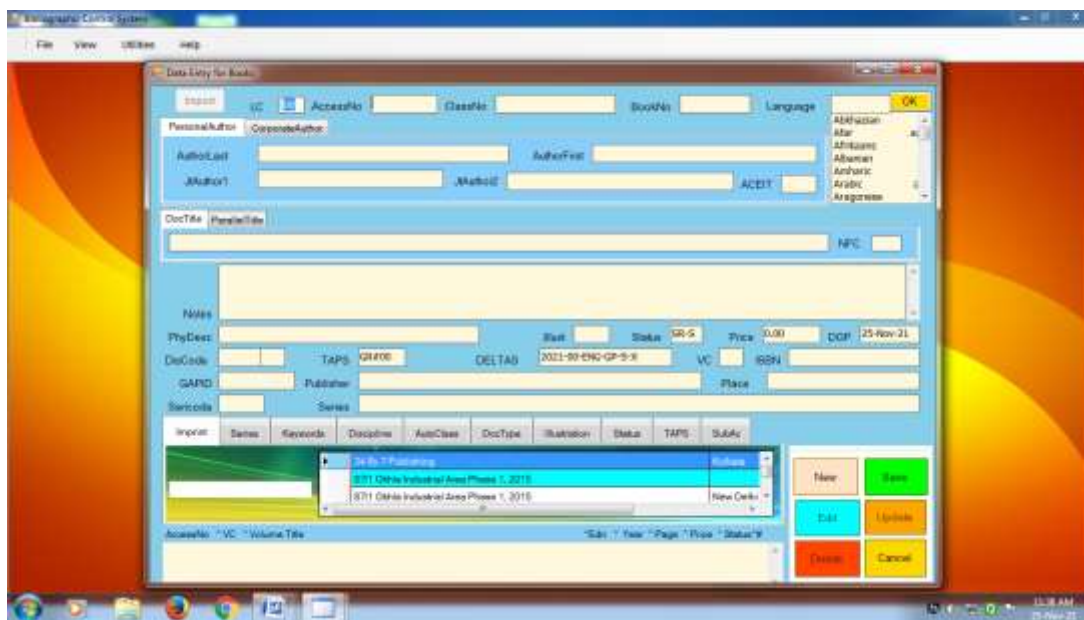




NIRMAL A – Acquisitions Control System



NIRMAL B - Bibliographic Control System





NIRMAL C – Circulation Control System

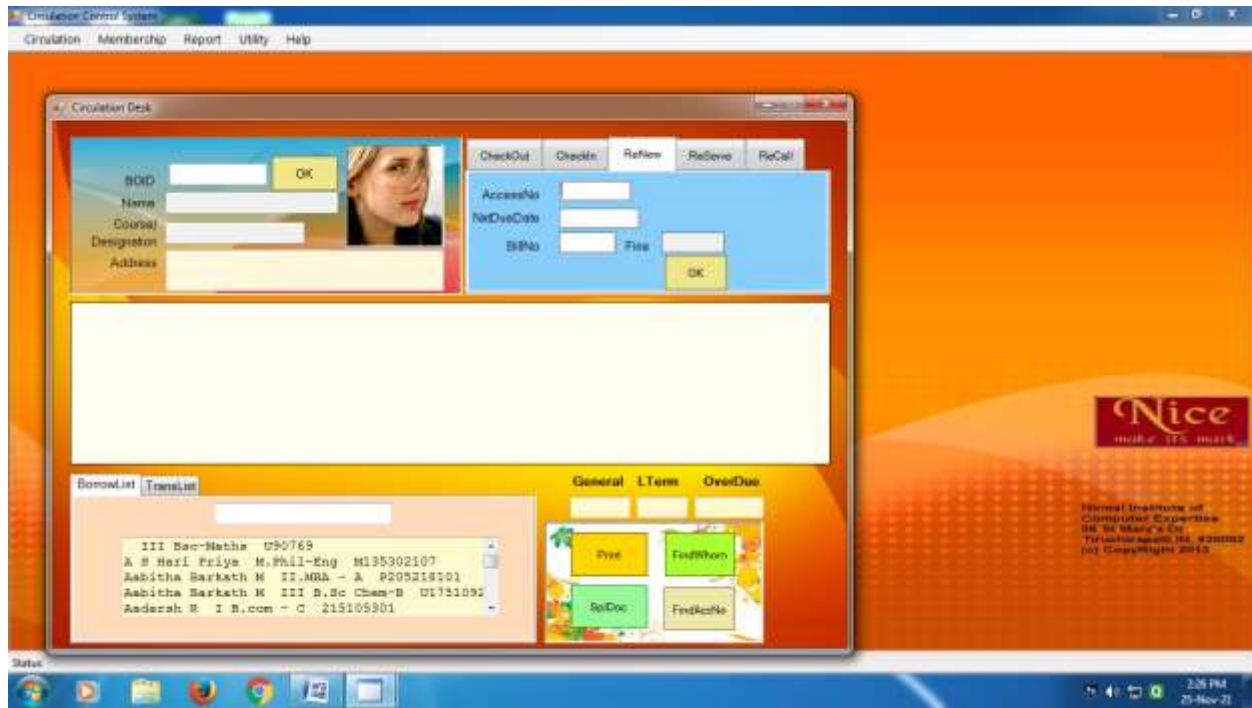


Book Return

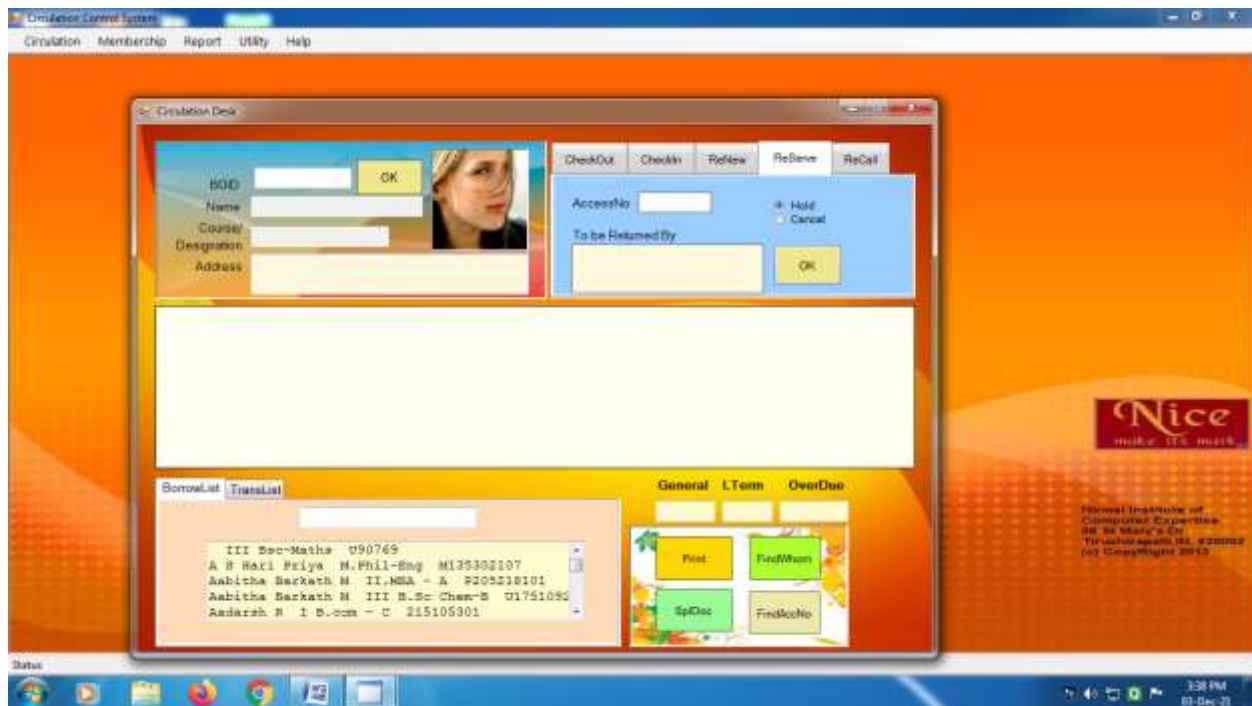




Book Renewal



Book Reservation





Book Recall

Circulation Control System
 Circulation Membership Report Utility Help

Circulation Desk

BOD: OK
 Name:
 Course:
 Designation:
 Address:

CheckOut CheckIn ReNew ReBene ReCal

AccessNo:
 To be Returned By:
 Send Notice

BorrowList TransList

General LTerm OverDue

Print FindWhen
 SpDoc FindMemo

III Bsc-Maths U90769
 A B Hari Priya M.Phil-Eng M139302107
 Aabitha Barkath M II.MBA - A P205218101
 Aabitha Barkath M III B.Sc Chem-B U1751050
 Asdarsah B I B.com - C 215105301

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 88 St Mary's Cr
 Tiruchirappalli, TN 620002
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Status 3:38 PM 01-Dec-21

Book Reshelving

Circulation Control System
 Circulation Membership Report Utility Help

Reshelving the Returned Documents

AccessNo: Single All View ShelfList OK

Take Reshel Order List before reshelving

Total: 226

ACCNUM	TITLE	STATUS
0000567	Text Book of Plant Physiology	SRT
0000568	Quantum Mechanics	SRT
00005846	Moonstone	SRT
00007311	Civil War and Reconstruction	SRT
00008155	Text Book of Physical Chemistry	SRT
00009691	Arthropoda	SRT
0001052	Modern Physics	SRT
00011155	Principles of Organic Chemistry	SRT
00011807	Venomous Reptiles	SRT
00014909	Inorganic Chemistry	SRT
00015913	Ambedkar Life and Mission	SRT
00021164	Emily Bronte Wuthering Heights: a Critical Study	SRT
00022301	Topology: a First Course	SRT
00022851	Theories of Social Case Work	SRT
00025723	Great Gatsby	SRT

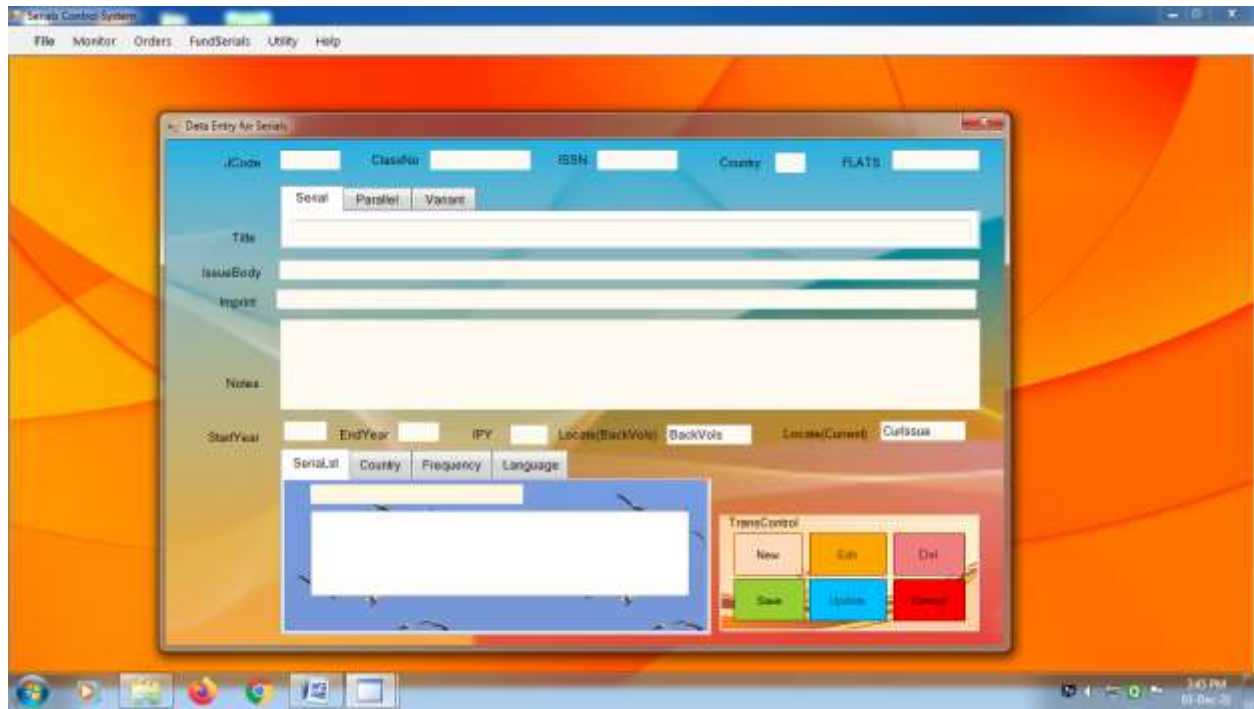
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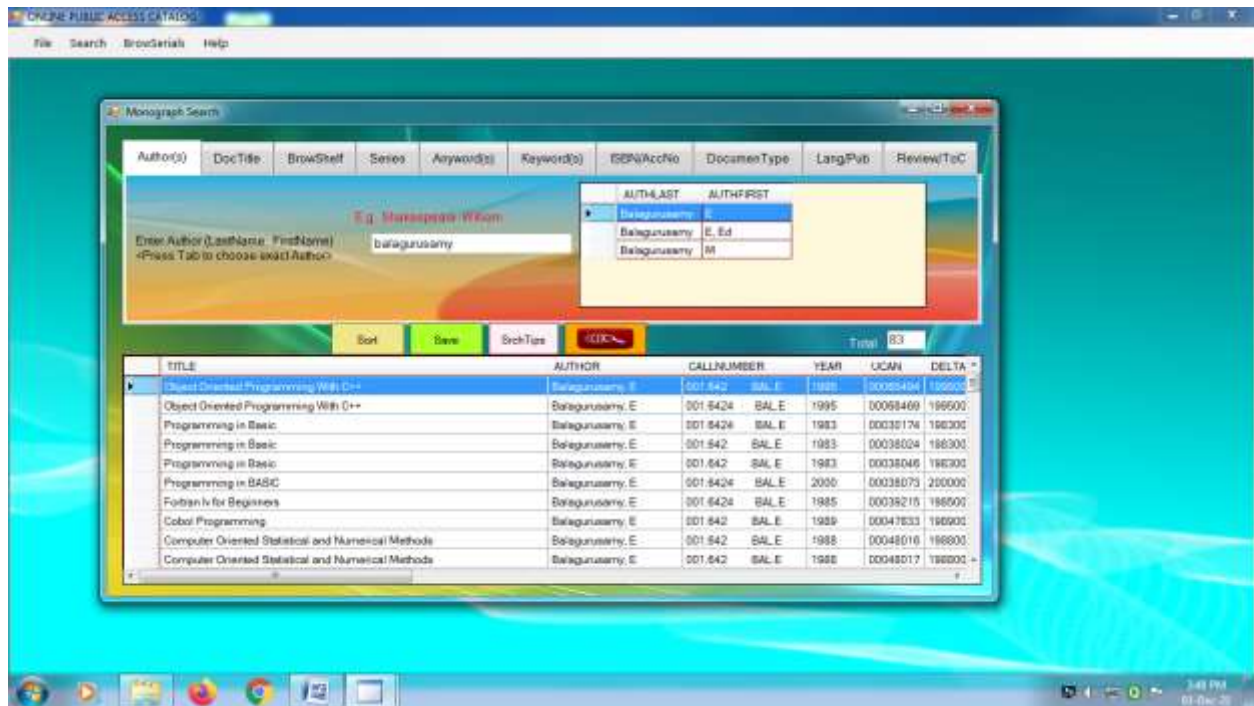
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NIRMAL S – Serials Control System



OPAC – Online Public Access Catalogue





Report Generation Module – Issue Report



Report Generation Module – Return Report





User Report / Statistics





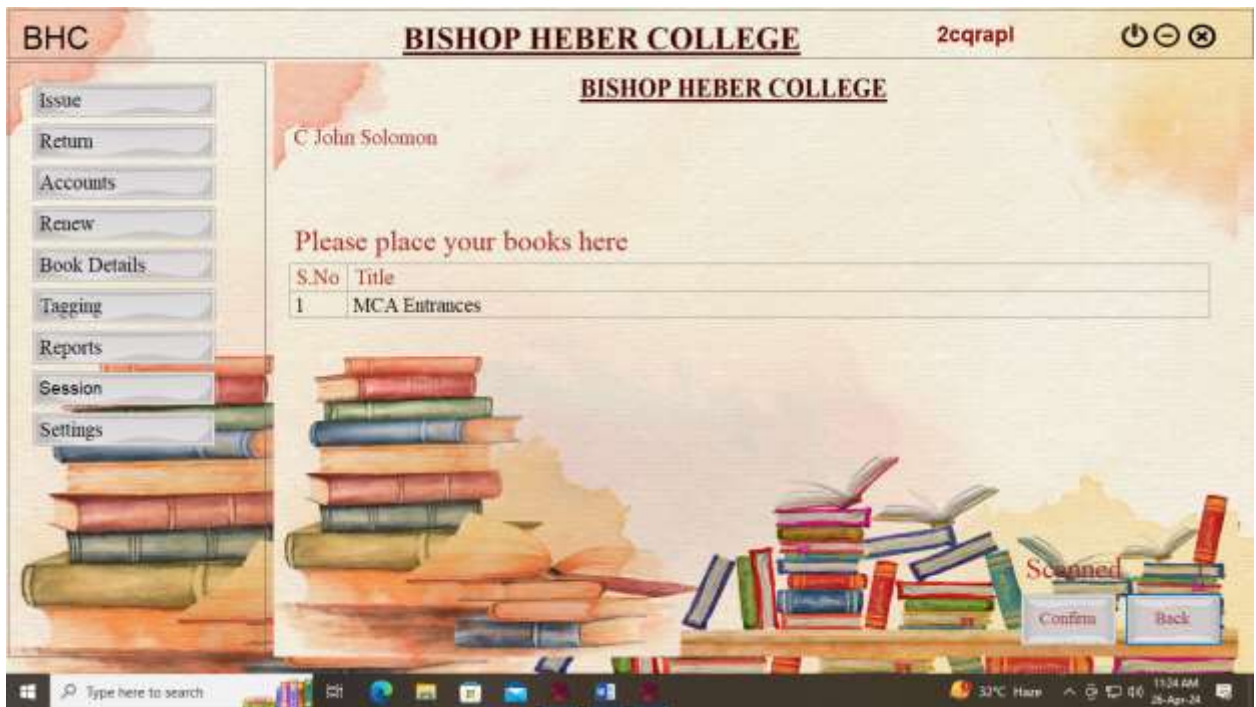
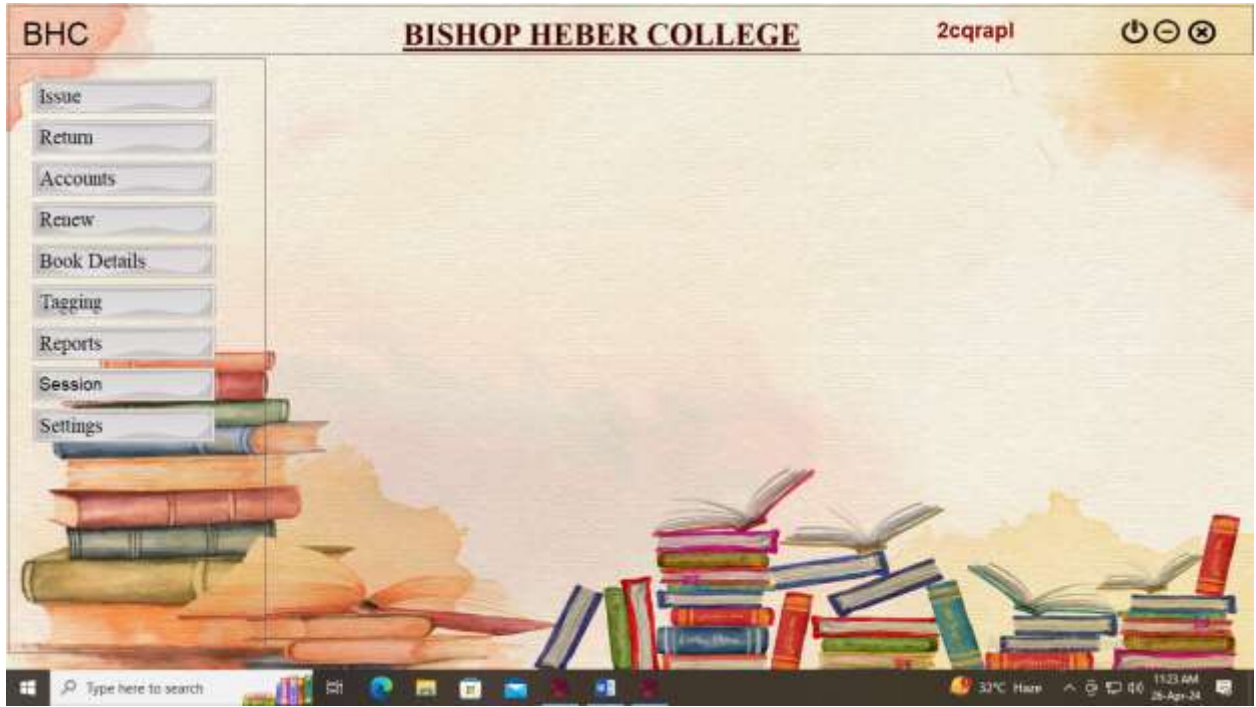
BISHOP HEBER COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI – 620017
TAMILNADU, INDIA

RFID - Invoice

 <p>2cqr automation pvt ltd 172/1, Sridevikuppam main road Valasaravakkam Chennai Tamil Nadu 600087 India GSTIN 33AAACZ6893K1ZQ</p>	Self-financing Account								
	Library - General								
TAX INVOICE									
#	: FY2324/05/013	Place Of Supply	: Tamil Nadu (33)						
Invoice Date	: 09/05/2023	PO REF NO.	: BHC/PO/383						
Terms	: Net 30								
Due Date	: 08/06/2023								
Bill To	Ship To								
Bishop Heber College The Principal No.8, Allithural Road Puthur Tiruchirappalli 620017 Tamil Nadu India GSTIN 33AAATB0740L123	The Principal No.8, Allithural Road Puthur Tiruchirappalli 620017 Tamil Nadu India GSTIN 33AAATB0740L123								
#	Item & Description	HSN /SAC	Qty	Rate	CGST %	CGST Amt	SGST %	SGST Amt	Amount
1	RFID -Staff station HSS1000	84719000	1	62,000.00	9%	5,580.00	9%	5,580.00	62,000.00
2	RFID Security Gate(HSG1000)	85437099	1	2,95,000.00	9%	26,550.00	9%	26,550.00	2,95,000.00
3	RFID tags	85235910	100,000	9.00	9%	81,000.00	9%	81,000.00	9,00,000.00
4	interface software	997331	1	47,500.00	9%	4,275.00	9%	4,275.00	47,500.00
5	opac kiosk	84714190	1	1,35,000.00	9%	12,150.00	9%	12,150.00	1,35,000.00
6	Koha Software Services	997331	1	63,500.00	9%	5,715.00	9%	5,715.00	63,500.00
7	Self service kiosk HK 2000	84714190	1	2,55,000.00	9%	22,950.00	9%	22,950.00	2,55,000.00
Total in Words Indian Rupee Twenty Lakh Seventy-Four Thousand Four Hundred Forty Only							Sub Total 17,58,000.00 CGST9 (9%) 1,58,220.00 SGST9 (9%) 1,58,220.00 Total ₹20,74,440.00 Payment Made (-) 12,14,220.00 Balance Due ₹8,60,220.00		
Thanks for your business. 2CQR Automation Private Limited Acc No.027505500468, Bank: ICICI Bank, Branch: Shakti Nagar, Porur IFSC: ICIC0000275							 Authorized Signature		
 Librarian		 Bursar		 Principal					



KOHA - Book Issue Page





BHC **BISHOP HEBER COLLEGE** 2cqrapl

BISHOP HEBER COLLEGE

bhc-nt-00854-C John Solomon

S.No	Item No	Title	Due Date	Result	Remarks
1	104392	MCA Entrance	26/05/24	Success	-

Issue
Return
Accounts
Renew
Book Details
Tagging
Reports
Session
Settings

Exit

KOHA - Book Return Page

BHC **BISHOP HEBER COLLEGE** 2cqrapl

BISHOP HEBER COLLEGE

S.No	Item No	Title	OverDue	Result	Remarks
1	126832	Artificial intelligence	Rs:0	Success	-

Issue
Return
Accounts
Renew
Book Details
Tagging
Reports
Session
Settings

Exit



Web OPAC

The screenshot shows the homepage of the BHC Library Online Public Access Catalogue. The header features the college logo, the text "BHC LIBRARY READ TO LEAD", and "Online Public Access Catalogue". A navigation menu includes "Home", "About", "Services", and "Rules & Regulations". A search bar is present with a dropdown menu set to "Library catalog" and a search button. Below the search bar are links for "Advanced search", "Authority search", "Tag cloud", and "Library". A "Quick Links" section lists various services like "DLNET", "N-Lit", "JSTOR", etc. A "New Arrivals" carousel displays book covers. A "Log in to your account" box is on the right, and a "Library Opening Hours" section is at the bottom.

The screenshot shows the search results page for the query "Quantum Computation". The search bar contains "Quantum Computation" and the results section displays "Your search returned 2 results." A sidebar on the left allows refining the search by "Availability", "Items", "Authors", "ISBN types", "Books", "Topics", and "Physical Chemistry/Physics". The main results area shows a single entry: "Quantum Computation and Quantum Information" by Nielsen, Michael A. | Chuang, Isaac L. The entry includes the edition (1st), ISBN type (Text), format (print), library item number (N14344), publisher (Cambridge University Press, 2011), and availability status (Directly available for issue). A "No cover image available" warning is present on the right.



Gate Entry Monitoring System - Barcode Reader



Circulation Desk





Divyanjan Friendliness





BISHOP HEBER COLLEGE (AUTONOMOUS)
TIRUCHIRAPPALLI – 620017
TAMILNADU, INDIA

Braille Software for Visually Impaired





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