

National Seminar

**REIMAGINING LIBRARY SPACE:
PLANNING, DESIGN, AND INNOVATION *cum*
INAUGURATION OF RENOVATED GARDEN LIBRARY**

@ Dharmaram Vidya Kshetram (DVK), Bengaluru
on 12 November 2024

Organised by DVK Central Library

in collaboration with

Indian Association of
Teachers of Library and Information Science (IATLIS)

Chief Sponsor: Ajith Edu-Infra

Technical Session - 1

PRESENTATION 1: LIBRARY AS A READING SPACE: A SANCTUARY FOR KNOWLEDGE AND REFLECTION THROUGH GREEN LIBRARY INITIATIVES
BY REGIL NADH C M

PRESENTATION 2: THE ROLE OF ENGINEERING COLLEGE: LIBRARIES AS LEARNING SPACES, A COMPREHENSIVE OVERVIEW OF SJCET PALAI
BY JUSTINE THOMAS

PRESENTATION 3: REIMAGINING LIBRARY SPACE: HYBRID LIBRARIES WITH MODERN LEARNING SPACES
BY DR. HEMAVATHI B N

SPECIAL PRESENTATION 1: MAHATMA GANDHI UNIVERSITY LIBRARY: A TRANSITION TO A MODERN LEARNING SPACE
BY VIMAL KUMAR V & SUMANA K P

LIBRARY AS A READING SPACE: A SANCTUARY FOR KNOWLEDGE AND REFLECTION THROUGH GREEN LIBRARY INITIATIVES

Regil Nadh C M

Asst. Librarian, Reserve Bank of India, Chennai

Green Library

- Definition
- The importance of sustainability in libraries:
 - Environmental Impact Reduction
 - Cost Savings
 - Healthy Space
 - Community Leadership
 - Long-term Viability
 - Educational Role
 - Alignment with Global Goals
 - Adaptability and Resilience

Growing global movement toward eco-friendly library practices

Global Awareness of Climate Change

Sustainable Building Certifications

Digital Transformation

Energy Efficiency Initiatives

Waste Reduction Programs

Eco-conscious Collection Development

Environmental Education Programs

Collaborations and Networks

Resilient Infrastructure

Community Engagement

Need for Green Libraries in India

- Environmental impact of traditional libraries
- Benefits of transitioning to sustainable practices in Indian contexts
- India's commitment to climate goals (aligning with UN SDGs)

Core Principles of Green Libraries

- Resource conservation (water, energy, materials)
- Waste reduction and recycling initiatives
- Promoting environmental awareness through library programs

Key Features of a Green Library

- Eco-friendly architecture (green roofs, natural lighting)
- Energy-efficient lighting and climate control
- Sustainable materials in construction and furniture

Technological Innovations in Green Libraries

- Use of digital resources to reduce paper
- Integration of smart technologies for energy management
- Role of renewable energy sources (solar, wind)

Challenges in Implementing Green Libraries in India

- Budget constraints and funding limitations
- Awareness and education on green practices
- Technical and infrastructural challenges

Policy Support and Initiatives

- Government policies on green buildings and libraries
- Role of NEP 2020 in promoting sustainability in education
- Potential for partnerships with environmental organizations
- Encouraging public and community involvement

The Role of Librarians and Staff

- Training in sustainable practices and green technology
- Leading environmental awareness programs for patrons
- Encouraging a culture of sustainability within the library

Conclusion

*Thank
you!*

The Role of Engineering College Libraries as Learning Spaces

A Comprehensive Overview of SJCET Palai

Justine Thomas, Librarian SJCET Palai
Research Scholar LINCOLN University College Malaysia
&
Dr.Surekha Kurian



Introduction

- ▶ Definition of a learning space in libraries.
- ▶ Importance of libraries in fostering educational environments.
- ▶ Role of the librarian as a facilitator.
- ▶ **Learning Space Definition:** A library is not just a storage for books; it's a dynamic environment where learning, collaboration, and innovation occur.
- ▶ **Importance:** Libraries support student learning, research, and collaboration, contributing to academic success.
- ▶ **Librarian's Role:** With over 23 years of experience, librarians are key in guiding users to resources, teaching information literacy, and facilitating access to both physical and digital collections.



Library as a Learning Hub

- ▶ Collaborative spaces for teamwork.
- ▶ Individual study areas for focused work.
- ▶ **Collaborative Spaces:** Group study rooms equipped with whiteboards and technology encourage teamwork on engineering projects. For example, students working on a design project can gather here to brainstorm ideas.
- ▶ **Individual Study Areas:** Quiet study zones allow students to concentrate on their coursework. Comfortable seating and soundproofing can enhance the study experience.



Access to Diverse Resources

- ▶ Extensive collection of print and e-books.
- ▶ Access to print and e-journals.
- ▶ Print and E-Books: The library can provide a wide range of engineering textbooks, ensuring students have the materials they need for their courses. E-books allow for easy access from anywhere, which is especially useful for distance learning.
- ▶ Print and E-Journals: Subscription to journals like the *Journal of Engineering Education* provides students and faculty access to the latest research, helping them stay current in their fields.
- ▶ Subscription to engineering-specific journals for current research.



Databases and Online Resources

- ▶ **Online and offline databases.**
- ▶ **Specialized databases for various disciplines.**
- ▶ **Databases:** Access to IEEE Xplore, ScienceDirect, and EBSCO Core Engineering E Books Collection etc. allows students to find peer-reviewed articles and conference papers crucial for their studies and research.
 - ▶ **Offline resources** such as CD-ROMs and archival materials.
- ▶ **Specialized Databases:** For instance, engineering students may benefit from databases JSSH providing targeted resources.



Membership and Resource Sharing

▶ **Library Networks:**

- ▶ Membership in regional and national library consortia.
- ▶ Inter-library loan systems to access additional resources.

▶ **Resource Sharing:**

- ▶ Collaborative access to databases among member libraries.
- ▶ Sharing of specialized resources and rare materials.

- **Library Networks:** Membership in a consortium enables libraries to share resources and extend their collections. For example, a student needing a specific book not available locally can borrow it from a partner institution.
- **Resource Sharing:** Collaborative agreements with other libraries enhance access to rare materials, benefitting students and faculty conducting niche research.

Practical Examples of Learning Spaces

- **Workshops and Seminars:**
 - Organizing events on research methods, academic writing, and technology trends.
- **Maker Spaces:**
 - Facilities equipped for hands-on projects, such as 3D printing or robotics.
- **Study Support Programs:**
 - Peer tutoring sessions and mentoring for academic success.
- **Workshops:** Organizing workshops on research methodologies or academic writing enhances students' skills. For example, a workshop on using CAD software can help engineering students gain practical skills.
- **Maker Spaces:** These areas, equipped with tools like 3D printers and electronics kits, enable students to experiment and create projects, fostering innovation and hands-on learning.

Practical Examples of Learning Spaces

1. A collaborative workspace with 3D Printers etc. 2 Boot Camp is for promoting the entrepreneurship culture among students



Technology Integration

- **Digital Learning Tools:**
 - Integration of tools like learning management systems (LMS) for coursework.
 - Access to simulation software and engineering applications.
- **Virtual Learning Environments:**
 - Providing online access to resources during remote learning phases.
- **Digital Learning Tools:**

Incorporating tools like Moodle allows students to access course materials and submit assignments online, supporting blended learning.
- ▶ **Virtual Learning Environments:**

During remote learning phases, providing access to virtual labs and simulations allows students to continue their practical education despite physical distance.

Supporting Community and Alumni & Research and Innovation

- ▶ **Community and Alumni Engagement**
- ▶ **Networking Opportunities:** Hosting alumni events allows current students to connect with graduates working in their fields, providing insights and potential job opportunities.
- ▶ **Lifelong Learning:** Offering continued access to library resources for alumni supports their professional development, allowing them to stay updated on advancements in engineering.
- ▶ **Supporting Research and Innovation**
- ▶ **Research Support:** Librarians can assist with literature reviews and managing citations using tools like Zotero or EndNote, aiding students in producing quality research.
- ▶ **Innovation Hubs:** These can foster partnerships between students, faculty, and industry, encouraging the development of real-world applications, like collaborating with local tech companies for project work.

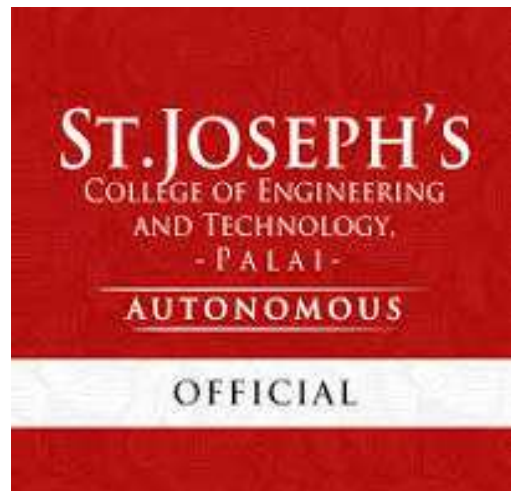
Research and Innovation Support



Conclusion

- ▶ In conclusion, the role of the library as a learning space is multifaceted and critical to fostering academic success and personal development. By providing diverse resources, collaborative and individual study areas, and support for research and innovation, libraries create an environment conducive to learning. Moreover, the integration of technology, community engagement, and programs promoting lifelong learning further solidify the library's position as a cornerstone of educational institutions. As libraries continue to adapt to the needs of their users, their potential to facilitate meaningful learning experiences will only grow, making them indispensable in the academic landscape.

S J C E T PALAI



Reimagining Library Space:

Hybrid Libraries with Modern Learning Spaces

DR. HEMAVATHI B N
ASSOCIATE PROFESSOR
TUMKUR UNIVERSITY

Why Hybrid?

Lancaster – Paperless society

Emergence of E-resources

Digital Natives' Information Requirements
and their Information Seeking Behaviour

Digital Immigrants' Wants and Demands

Key Components of Modern Libraries

Flexible and Adaptable Spaces: This area showcases modular furniture that can be easily rearranged for different uses, like study groups, workshops, or presentations. It's an open space designed for dynamic use.

(Visual Cue: Look for movable tables and chairs, with large open areas in the library).



Technology Integration

This zone includes computers, digital media tools, and 3D printers, reflecting the integration of modern technology in libraries.

(Visual Cue: Focus on the tech corner with devices, workstations, and potentially 3D printing stations or interactive screens).



Flexible and Adaptable Spaces

It's an open space designed for dynamic use. With necessary movable and non-movable furniture



Collaborative & Quiet Zones

Collaborative spaces for group discussions, featuring tables and whiteboards, contrasted by quiet zones with individual desks for focused work.

(Visual Cue: Notice the contrast between vibrant group areas and subdued, quiet sections in the image).



Sustainability and Green Spaces

Sustainable design elements like natural light from large windows, along with greenery such as indoor plants or an outdoor patio area.

(Visual Cue: Look for natural lighting and plant life in the image, indicating eco-friendly design).



User Space with Digital Boards & for Collaborative arts

- A larger, open space designed for public talks, events, and community gatherings, typically featuring a stage or a flexible seating arrangement.
- (Visual Cue: imagine or mark an auditorium or multi-purpose room as the central meeting area).



Print Collections & accessibility

Print Collections

The library's accessible parts include ramps, elevators, and braille signage for inclusivity.

(Visual Cue: Ramps and braille signs could be placed near entrances and various sections, indicating inclusiveness).



What will be the out put of all
these components...





Floatable furniture



Flexible Spaces
Non-movable furniture



Technology integration



Quiet Zone



Collaborative Areas



Accessibility



Tech Integrated Zone
with 3D printers



User space with
digital boards



Collaborative Arts
digital display



Community
Cultural hub



Print Collections

Thank you



Mahatma Gandhi University Library: A TRANSITION TO A MODERN LEARNING SPACE

Sumana K P, Ph.D & Vimal Kumar V, Ph.D
Mahatma Gandhi University Library,
Kottayam, Kerala- 686560



ABOUT US

- Mahatma Gandhi University was founded in 1983 in Kottayam, Kerala.
- UGC NAAC accreditation A+
- Ranked in the 401-500 band in Times Higher Education Ranking 2025.
- Early adoption of technology.
- Champion of Open Access.





RECOGNIZING THE NEED FOR CHANGE

- Limited space and outdated infrastructure.
- Insufficient access to technology and digital resources.
- Lack of collaborative learning spaces.
- Difficulty in accommodating the growing user base.

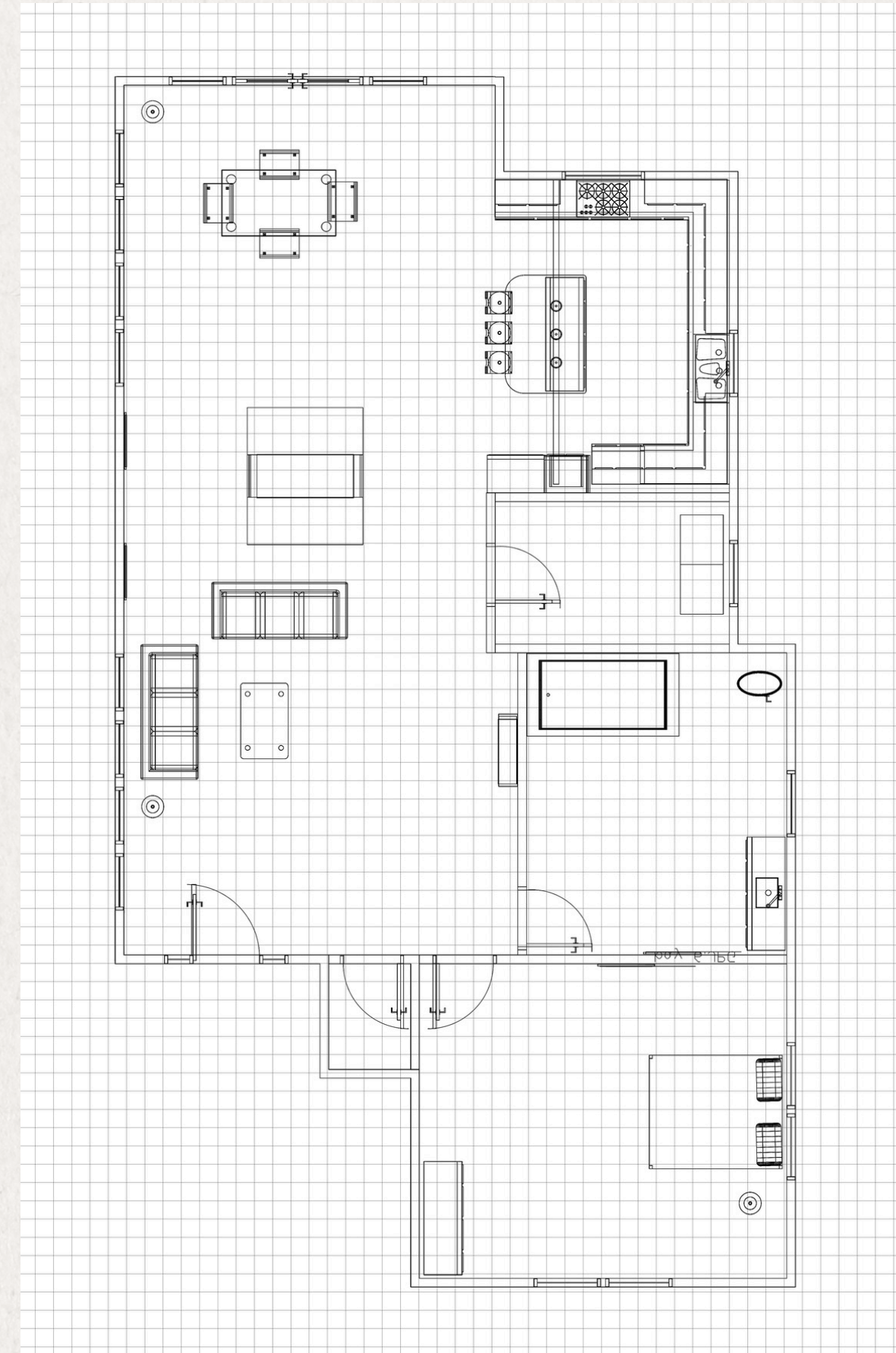
ENVISIONING A 21ST-CENTURY LIBRARY

A modern and technologically advanced learning environment.

Spaces that foster collaboration and innovation.

Enhanced access to information and resources.

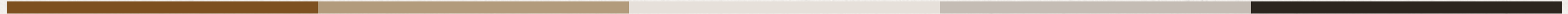
A welcoming and inclusive space for all.



TIMELINE



EMBRACING MODERNITY



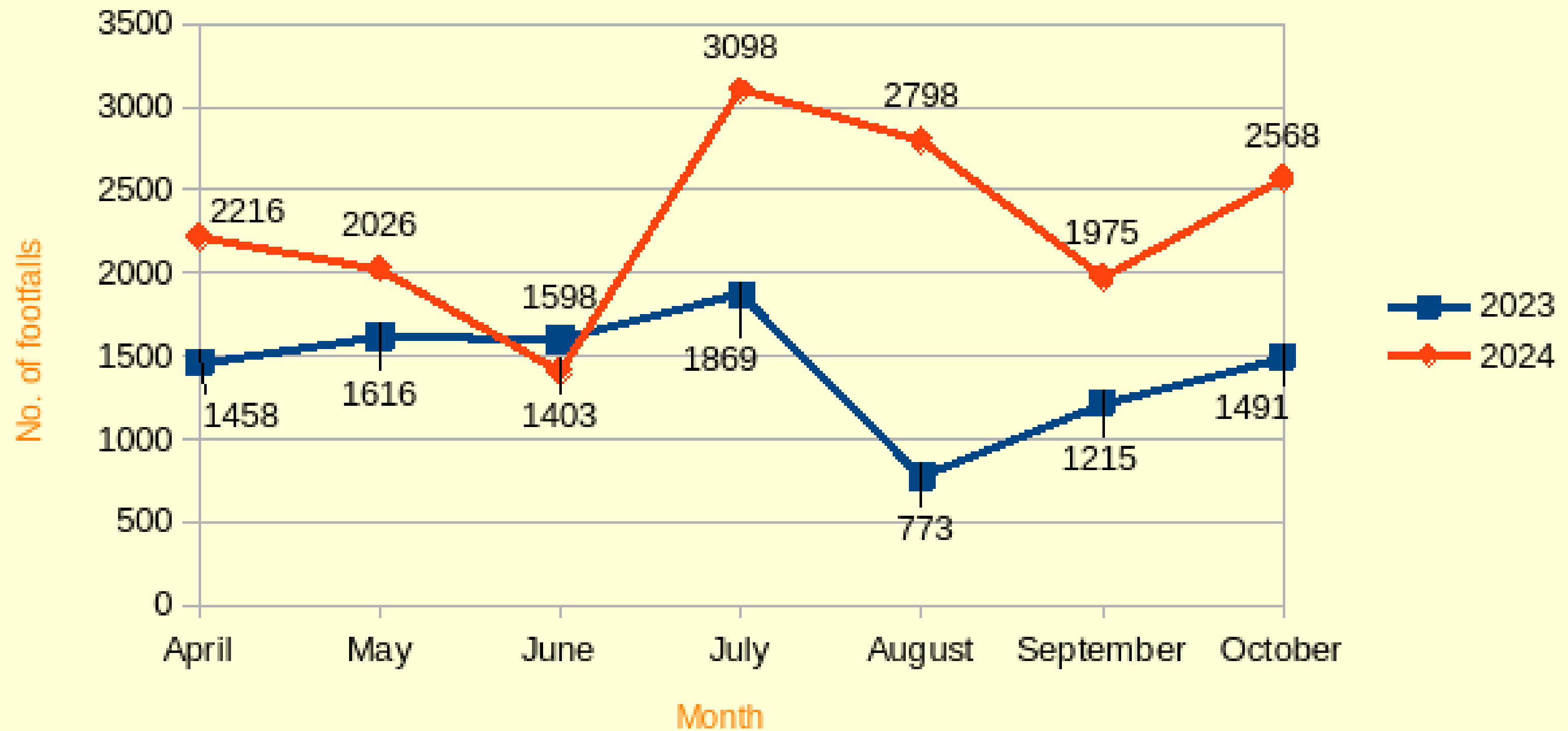




GARDEN LIBRARY



Footfalls in 2023 and 2024



CONCLUSION

- The library has effectively transitioned to a modern learning space.
- The library is now better equipped to compete in the changing higher education scenario.
- There are plans to renovate other library floors.
- The library is expanding its collection and digital resources.
- New technologies and services are being implemented, and community engagement is being strengthened.



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Technical Session - 2

PRESENTATION 4: BRAND YOUR LIBRARY

BY DR. R RENGANATHAN

**PRESENTATION 5: KNOWLEDGE COMMONS: THE FUTURE LIBRARIES
(FOR THE GEN Z NEEDS)**

BY GONE RANGAPPA NAIDU

PRESENTATION 6: THE LIBRARY AS A LEARNING SPACE(VIDEO)

BY MANGALA BE

**SPECIAL PRESENTATION 2: LIBRARY REIMAGINED: A STORY OF
TRANSFORMATION FROM DEVAGIRI COLLEGE, KOZHIKODE**

BY DR. CV ABRAHAM & DRISHYA K

Brand Your Library



Dr.R.Renganathan. Librarian
Hajee Karutha Rowther Howdia College
Uthamapalayam. Theni Dt.

Dr.E.Sugirtha kumar,
Librarian, Sarah Tucker College, Palayamkottai,
Tirunelveli, 627007.

Brand

- A good library would never become effective library
- If it is advertised properly in the right time, right place and the right users.
- The brand will achieve the desired results.
- Differentiat the service from other libraries

Brand Value

- Understand the value of your library's brand
- Find the ways to nurturing the brand value
- For creating the brand and the brand value the following indicators to be concentrated.
 - ❖ Imagination of information need. (user survey)
 - ❖ Standards of available information (collection development)
 - ❖ Value of Intellectual property rights (with available resources)

- Mission and Vision of the parent institution
(Institution goal)

And also the following :

- ❖ Service quality of the library
 - ❖ Utilization of modern technology
 - ❖ Value for money being invested to bring resources (books and e-resources)
- Valuable information
Proper method of communication will be registered the brand name in user's mind.

- The brand provides effective service exposure through its availability at
 - Place Convenient for the user
 - Time of the user to get right information.
 - Appropriate information
- Selecting the brand name is an interesting process

Individual's names or Distinctive name (Leaders and other idiosyncratic)

- ❑ Clinton-Macomb Public Library, Clinton
- ❑ Charter Township, Michigan, United States
- ❑ Dr.Mahmud Hussain Library, University of Karachi, Karachi, Pakistan
- ❑ Dr.Vijay Pal Memorial Library, Delhi, India

Town names (Where the library located)

- ❑ British Library, London, England
- ❑ Library of Alexandria, Egypt
- ❑ Boston Public Library, United States
- ❑ New York Public Library, New York

Service name (Bibliography library)

- ☐ National Diet Library Tokyo and Kyoto, Japan
- ☐ Toronto Reference Library, Toronto

Business name

(the parental institution's service or business)

- ☐ African Heritage Research Library and Cultural Centre, Adeyipo Village, Ibadan, Nigeria
- ☐ Evening Hour Library, Hyderabad,
- ☐ Musical Electronics Library, Auckland New Zealand
- ☐ Botanical Research Institute of Texas Library, Texas, United States

Collection name

- ❑ (Special collections like Picture, Army, News) and
- ❑ Advocates' Library, Edinburgh, Scotland
- ❑ Canada Institute for Scientific and Technical Information (CISTI), Ottawa, Ontario, Canada
- ❑ British Library of Political and Economic Science, London, England

- Libraries may use unique name
- Unorthodox spelling and
- Ways of writing to create unique brand name
- That will become legal parts (Copyright and IPR) of the libraries.

Build the brand

- Libraries need to find out the user's attitude towards the brands with the help of survey.
Survey on
 - Service quality
 - Facilities
 - Collection development
 - Orientation and other programs

- The publicity
- Public relations
- Press notes
- Sponsorships

have been the carriers of brands carrying them effectively to the users.

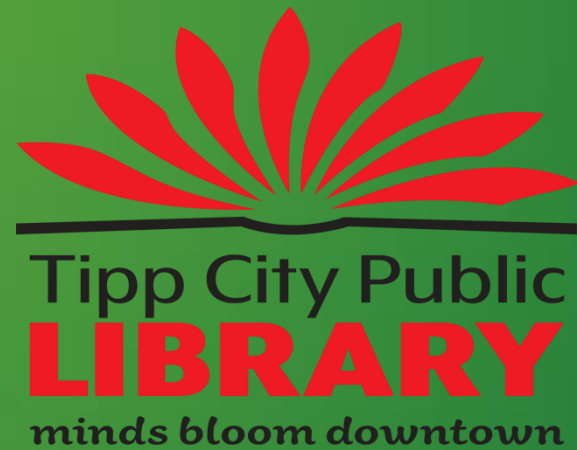
building societal care programmes like

- Adoption of village libraries
- Reading room for special group – blind library
- Story hour for public peoples
- Organizing cultural programs
- Books collection for special groups
- SET / NET and other competitive exam coaching

Concluding Brand Statement

- Memorable design that reflects the library's mission.
- Colours that evoke trust and creativity, such as blues and greens.
- The knowledge is for everyone.
- Our mission is to empower our community through access to resources,
- Fostering a love for reading, and supporting lifelong learning.
- Partnerships and programs that connect with local residents.

Some of the Brand picture and words of Libraries



Thank you

KNOWLEDGE COMMONS: THE FUTURE LIBRARIES

For the Gen Z Needs

*Gone Rangappa Naidu
Junior Research Fellow
Dept. of Library & Information Science
Tumkur University
Tumakuru*

Presented By

*Dr. Keshava
Senior Professor
Dept. of Library & Information Science
Tumkur University
Tumakuru*



Introduction

Knowledge Commons



1. *Shared resources*
2. *Collaborative spaces*
3. *Physical or virtual areas.*
4. *Open sharing.*
5. *Community-driven*
6. *Inclusive and diverse*



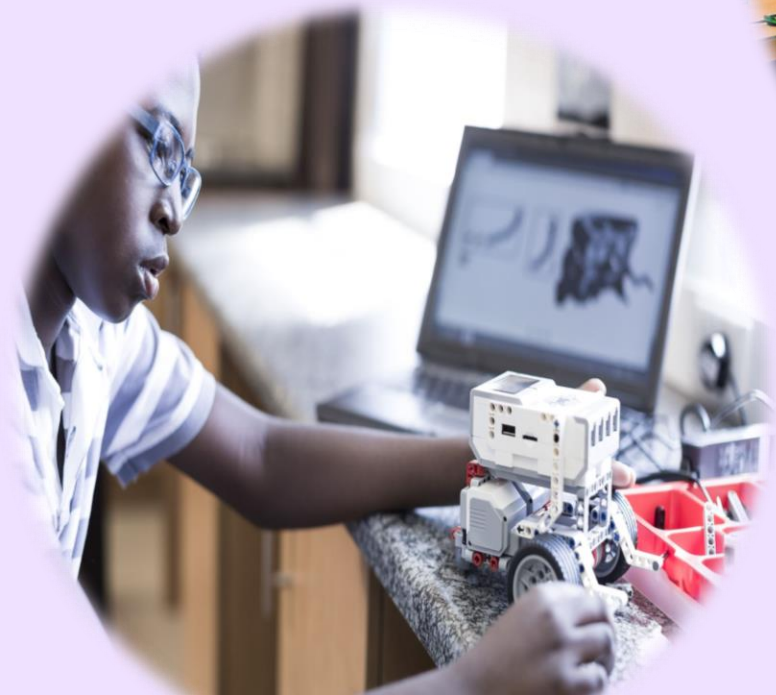
Born between 1997 and 2012

1. *Digital natives*
2. *Tech-savvy and mobile-first*
3. *Entrepreneurial and innovative*
4. *Short attention span (thanks to social media)*

Millennials (Gen Y)



Alpha



Makerspaces & Tinkering Labs



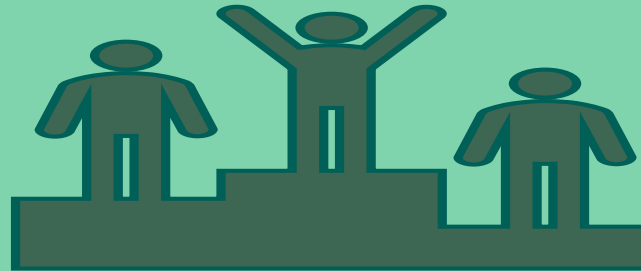
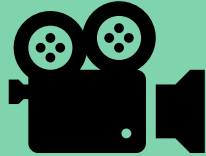
LET'S PATRONS TO PREACH
-EXPERTISE
-KNOWLEDGE
-SKILLS



CREATE NOSTALGIA - ALL WEATHER READING ROOMS



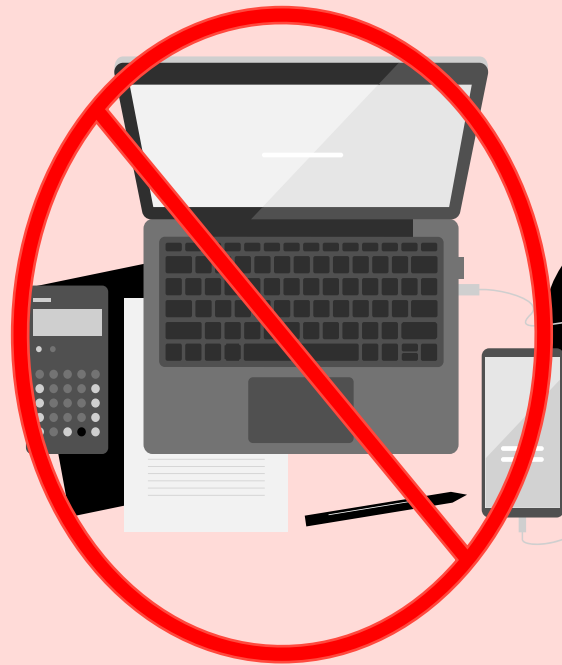
Lending Services



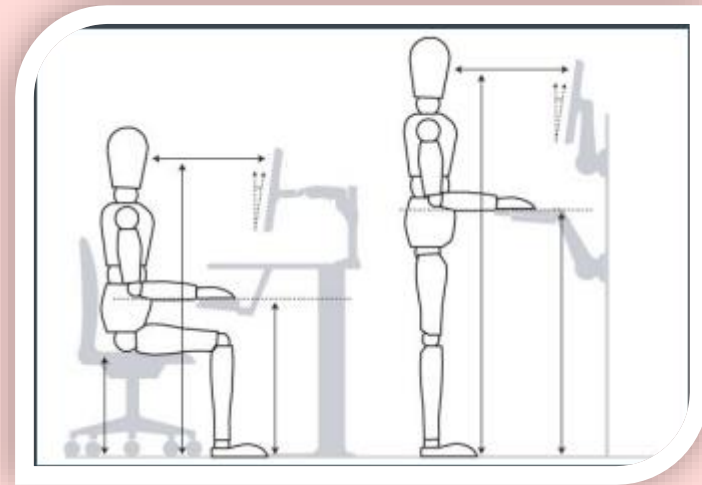
Accessible to Premium Software Applications



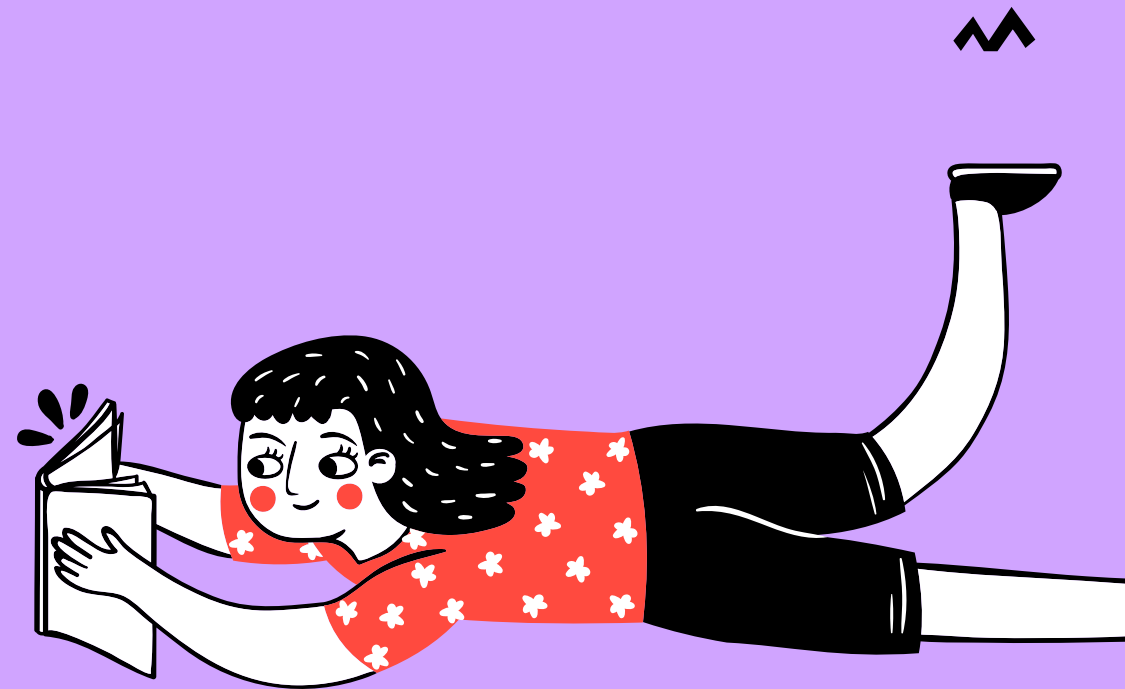
DIGITAL DETOX CENTRE (DDC)



ERGONOMIC FURNITURE: FOR IMMERSIVE READING



THANK YOU



The Library as a Learning Space

*Mangala BE
Manthana Sinchana



LIBRARY REIMAGINED: A STORY OF TRANSFORMATION

Dr. CV Abraham

Joint Director, St. Joseph's College Library, Devagiri, Calicut and
HOD, Dept. of Language and Literature

&

Drisya K.

Assistant Librarian, St. Joseph's College Library, Devagiri, Calicut

NATIONAL SEMINAR AT DHARMARAM VIDYA KSHETRAM, BENGALURU

12 November 2024

ST. JOSEPH'S COLLEGE LIBRARY DEVAGIRI

YESTERDAY

&

TODAY



Transition Period (July 2023—July 2024)

- ▶ One Year
- ▶ Tough time
- ▶ Temporary Library
- ▶ Financial Crisis
- ▶ Whole-hearted support
- ▶ Dream comes true







STRUCTURE AND AMBIENCE

Old Library

- ▶ Brick and Mortar
- ▶ 2-storied building
- ▶ Less Light
- ▶ Non AC
- ▶ No Meeting Halls
- ▶ No Language Lab
- ▶ Digital Library-10 Computers
- ▶ No Separate research corners

New Library

- ▶ Steel and Glass
- ▶ 4-storied building
- ▶ It is all lights
- ▶ Centralised AC
- ▶ 2 Big Halls, 2 conference rooms
- ▶ Language Lab
- ▶ Digital Library-28 computers
- ▶ Separate corners, cabins and 69 cubicles

OTHER CHANGES

- ▶ **Timing** : 9.00 am to 5.00 pm
- ▶ **Entry Gate**: ID Card



- ▶ **Timing** : 8.00 am to 8.00 pm
- ▶ **Entry Gate**: Face-Recognition Terminal



- ▶ **Book Racks**: Tall



- ▶ **Book Racks** : Short



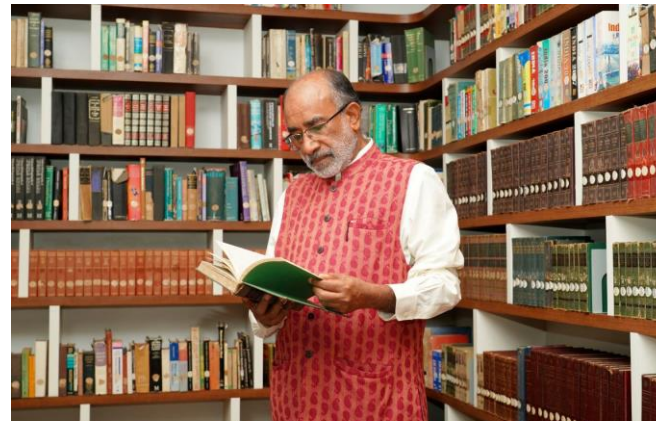
Special Amenities

- ▶ Garden Library
- ▶ Non-silent area, Semi Silent area, Silent area.
- ▶ Coffee Counter
- ▶ Access.lib: Special room for the visually challenged
- ▶ Human Library
- ▶ Book Tower
- ▶ News Room
- ▶ Sitings Steps
- ▶ Reading beds
- ▶ Comfort zones
- ▶ Incubation Centre
- ▶ Writers' Cabin



Notable Effects

- ▶ Increase in footfall : 1320 per day (Earlier 600)
- ▶ Readers tend to spend more time in the library
- ▶ Users come from outside the college too
- ▶ Visits of the VIPs - Dr. Shashi Tharoor, Dr. Alphons Kannamthanam, Film Artists, Academicians etc.,
- ▶ More intellectual debates and discussions (because of the Garden Library)
- ▶ More active research work (because of separate research halls, cabins, cubicles)



Towards the Future

- ▶ Scope for expansion (Auditorium nearby)
- ▶ Still more space for books (Currently 72000)

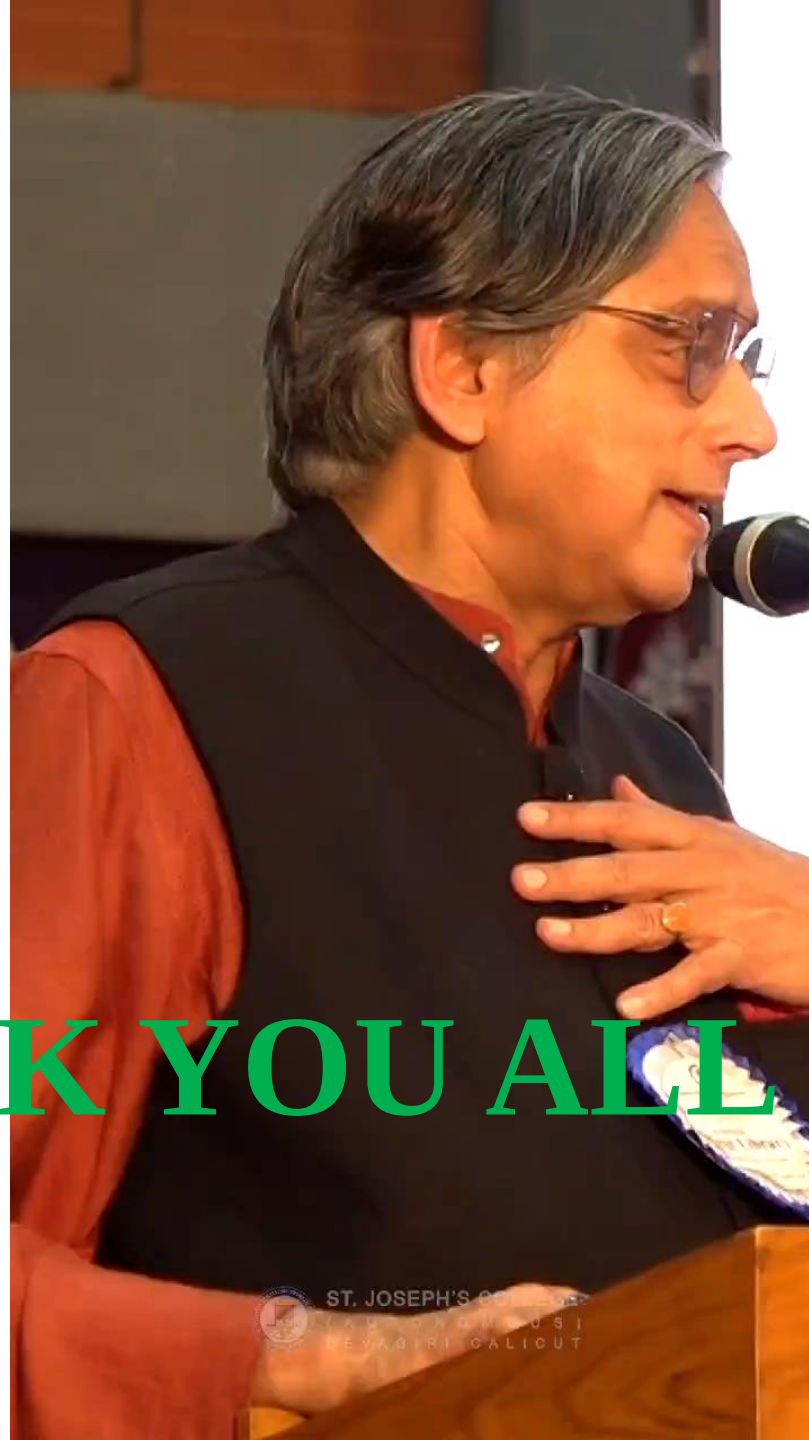


Message of this Library

- ▶ From modesty to modernity
- ▶ Anything is possible with will power, clear objectives, proper planning and the co-operation of all concerned
- ▶ Special acknowledgement and gratitude to Dr. Fr. John Neelankavil for making our dream come true



THANK YOU ALL



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Technical Session - 3

PRESENTATION 7: EVERY USER HIS / HER SPACE

BY SR. RENIMOL JOSEPH

PRESENTATION 8: INNOVATIVE LIBRARY SPACES: BLENDING DESIGN WITH COMMUNITY NEEDS (TRANSFORMING LIBRARIES FOR THE 21ST CENTURY: A FUTURISTIC LIBRARY INTERIOR)

BY ANCY CHRISTINA

PRESENTATION 9: THE GREEN LIBRARY: AN INITIATIVE FOR ENDURING LIBRARIES

BY APARNA RAMKUMAR

SPECIAL PRESENTATION 3: SANTHOME ATHENAEUM CENTENNIAL LIBRARY OF ST. THOMAS COLLEGE

BY SANJO JOSE



Every User His / Her Space

Sr. Renimol Joseph
Bishop Kurialacherry College for Women

Reading Spaces

- It is designed according to
 - The Type of Reader
 - The Nature of Reading



Individual Reading

- Separate Seat
- Provision for privacy
- Free from distractions



Group Reading

- Sound Proof Room
- Seating suitable for Collaboration



Quiet Reading

- Ambiance suitable for deep study
- Separate cubicle
- Seating suitable for long sitting



Leisured Reading

- Comfortable seating
- Easy Access
- Proximity of reading material
- Away from Quite Zone



Read- Aloud Area

For Stories, Poems etc

- Sound proof Room
- Proper sound system
- Seating for reader and listeners



Space for Divyangjans

- Barrier free Access –wheel Chair etc
- Sound Proof
- Proper seats
- Special Equipments
- Systems with Suitable software and accessories



Digital Reading

- Computers and other equipments
- Provisions for using digital equipments
- Internet facility
- Head phones



Open space Reading

- Garden Library with:
 - Reading Materials
 - WiFi Connection
 - Open and roofed reading space





"Innovative Library Spaces: Blending Design with Community Needs"

"Transforming Libraries for the 21st Century"

A futuristic library interior



Evolving Role of Libraries

- Libraries as community hubs, not just book repositories
- Shifting focus from collections to connections
- Supporting lifelong learning, creativity, and socialization



Key Design Principles

- Flexibility and adaptability
- Sustainability and energy efficiency
- Technology integration and digital inclusion
- Accessibility and universal design



Collaborative Spaces

- Makerspaces for hands-on creativity
- Group study areas and teamwork zones
- Community meeting rooms and event spaces



Digital Media Labs

- Advanced technology for multimedia projects
- Audio and video recording studios
- Virtual and augmented reality experiences



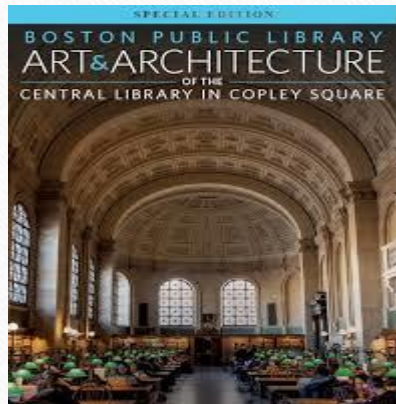
Wellness and Self-Care

- Quiet rooms and meditation spaces
- Fitness and exercise areas
- Mental health resources and support



Community Engagement

- Public art installations and exhibitions
- Author talks and literary events
- Workshops and classes for skill-building



Sustainable Design

- Green building materials and energy-efficient systems
- Natural light and ventilation strategies
- Water conservation and recycling initiatives



Inclusive and Accessible Design

- Accessible furniture and navigation
- Assistive technology and adaptive resources
- Multilingual and multicultural support



Future-Ready Libraries

- Embracing emerging technologies (AI, VR, etc.)
- Fostering innovation and entrepreneurship
- Building community partnerships and collaborations



The Green Library: An initiative for enduring libraries.



Aparna Ramkumar
Professional Assistant
Mahatma Gandhi University Library
Kottayam-686560

Introduction

Sustainability in libraries ensures future generations have access to information and resources.

Green libraries promote a healthy environment and raise awareness of environmental issues.

Green building features like rooftop gardens and efficient ventilation improve energy efficiency.

Indian libraries can lead in promoting sustainable practices and addressing climate change.

Green libraries create welcoming spaces that benefit both visitors and the environment.

Review of literature

Green libraries are a part of the larger green building movement. Around the world, "Sustainable Libraries," or "Green Libraries," are being established due to several high-profile projects that have popularised the idea. Many individuals think the library plays a special role in the green construction movement because of its humanitarian objective, public and instructional nature, and the fact that new libraries are often high-profile, community-driven initiatives.



Objectives of the study

The following are the goals of this article:

- To comprehend the significance and meaning of green libraries,
- To learn about environmentally conscious libraries in India and elsewhere,
- To identify ways to transform current libraries into environmentally friendly ones,
- Increasing public understanding of social responsibility and environmental education
- Encouraging the creation and application of sustainable resources, eco-friendly building techniques, and creative initiatives to lessen the ecological effect.



Methodology

- This article's can be classified as theoretical in nature.
- The framework employed in this paper is derived from earlier studies on innovation systems.
- The study uses an exploratory methodology from primary and secondary sources.
- The literature study covers global approaches to green building and green libraries.
- The work's foundation is secondary data, a compilation of scholarly publications.
- Although the information in this article is primarily suggestive and instructive, much more research and work must be done by the people, groups, and establishments supporting green libraries.

Why the Green Library?

Libraries are introducing green features into their facilities for a number of reasons, including:

- A large budget is not necessary for a green library. Libraries can now construct green buildings on traditional construction budgets.
- Green libraries use finite energy resources that are easily accessible and fit into library budgets.

In this case, technology does not become an obstacle.

- Because natural ventilation and aeration produce a healthy environment, the maintenance of green libraries is very minimal. Artificial creation and the subsequent use of more energy for maintenance are not required.



Priorities in Green Library

When designing green libraries, the following factors need to be taken into account under the LEED standard: these are divided into the five groups listed below:

Location of the site

Water conservation

Efficiency in energy use

Building materials

Indoor air quality

Development of a green library

- Trash management through cutting-edge recycling and trash segregation techniques.
- Using CFL lights with appropriate maintenance to replace tube lights in order to reduce costs
- To save water for later use in gardening, rainwater harvesting pits can be built.
- Making the most of the wind and natural light to conserve electricity
- Digitising uncommon documents to save paper usage
- Preserving paper and space by using electronic books and journals
- When using pesticides for control, use environmentally friendly ones.
- Applying environmentally safe wall paints to increase light reflection,
- Use environmentally sustainable materials when stacking.
- Shutting off the library's lights and fans when not in use
- Making use of network printers rather than personal ones
- Setting up a fresh server and managing several servers on a single server box,
- Refill toner cartridges rather than purchasing new ones.
- When not in use, put computers in sleep mode.

Difficulties in creating green libraries

- Budget Constraints Hinder Green Library Initiatives
- Green Building Practices Require Specialized Expertise
- Traditional Library Staff May Lack Green Technology Knowledge
- Attitude Barriers Can Slow Down Green Library Adoption
- Strategic Planning is Key to Overcoming Resistance to Green Initiatives

Conclusion

Libraries: Cornerstones of Sustainable Communities

Green Libraries: Cost-Effective and Environmentally Friendly

Prioritize Energy Conservation in Library Design

Inspire Environmental Action Through Library Programs

India's Libraries: A Catalyst for Green Building and Sustainable Living





Santhome Athenaeum

Library spaces and beyond

Centennial Library of St Thomas College

135 years of service in education

Autonomous College with Potential for Excellence

DBT Star College accredited with 3.70/4 in 4th cycle

Represented by

Sanjo Jose

College Librarian (Academic Level 12)

Before...



- Library: 4 sections in 4 buildings/3 blocks
- Visibility: less
- Location: Ideal for washrooms
- Gloomy ambience, nearly dark
- Seating capacity: 68 seats for 3124 Gs + 148 RSs + 164 Ts
- Shelving capacity: Not sufficient at all







Before...

- Users' response: Complaints and complaints
- Old roof: falling mortar
- Footfall <300/day
- Staff: atleast 4 required in each
- Librarian couldn't manage all sections
- 100000+ books





The inspiration and opportunity



- A foundation stone for Diamond Jubilee Library laid by Neelam Sanjiva Reddy, Hon. President of India
- Suggestions by NAAC peer teams
- A strong urge from within
- Covid – 19, lockdown, closed and online campus
- 82+ meetings for designing, evaluating, ...

The transition and challenges



- Old library spaces: had to vacate fast
- Packing of books/documents
- Keeping them while shelves being dismantled
- Library open but with a heap of books vs demand for books/documents
- Pressure from all corners
- Shifting of books
- Rearranging books to new location
- Demand for books / fast approaching NAAC Peer team visit
- Ordering them in stacks





Now...

- Library at one place
- Visible to anyone
- @ the centre of college
- With modern edifice
- Well lit including natural light
- 40000 sq ft
- 408 seats including cubicles & cabins
- Ample shelving and storage space
- Footfall >600/day
- UX





Now...

- Better footfalls
 - Better NAAC grade
 - Better peer perception
 - Better utilisation of resources
-
- St Thomas became a trendsetter among HEIs to modernise their libraries

Access



RFID Gates

Modern libraries ...



- Make an environment which prompt the learners to read
- Which helps to convert information to knowledge
- And make it live
- Knowledge should be live
- Only live knowledge can reproduce new knowledge
- ...for that
- The library should be live



live . read . lead



liveSTOM

**Ever-expanding
universe of
Knowledge (UoK)**

**Medium between
UoK & user**

**New knowledge
produced
by St Thomas academia
which adds to UoK**



DEPARTMENT OF LIBRARY AND INFORMATION STUDIES

ST THOMAS COLLEGE (AUTONOMOUS),
THRISSUR, KERALA, INDIA

[HOME](#)[ABOUT US](#) ▾[LIBRARY CATALOGUE](#)[N-LIST DIGITAL LIBRARY](#)[QUESTION BANK](#)[STARC](#)[PUBLICATIONS DIVISION](#) ▾[CONTACT US](#)



Modern libraries ...

- Are not just buildings
- Are spaces with soul...



Reference Section

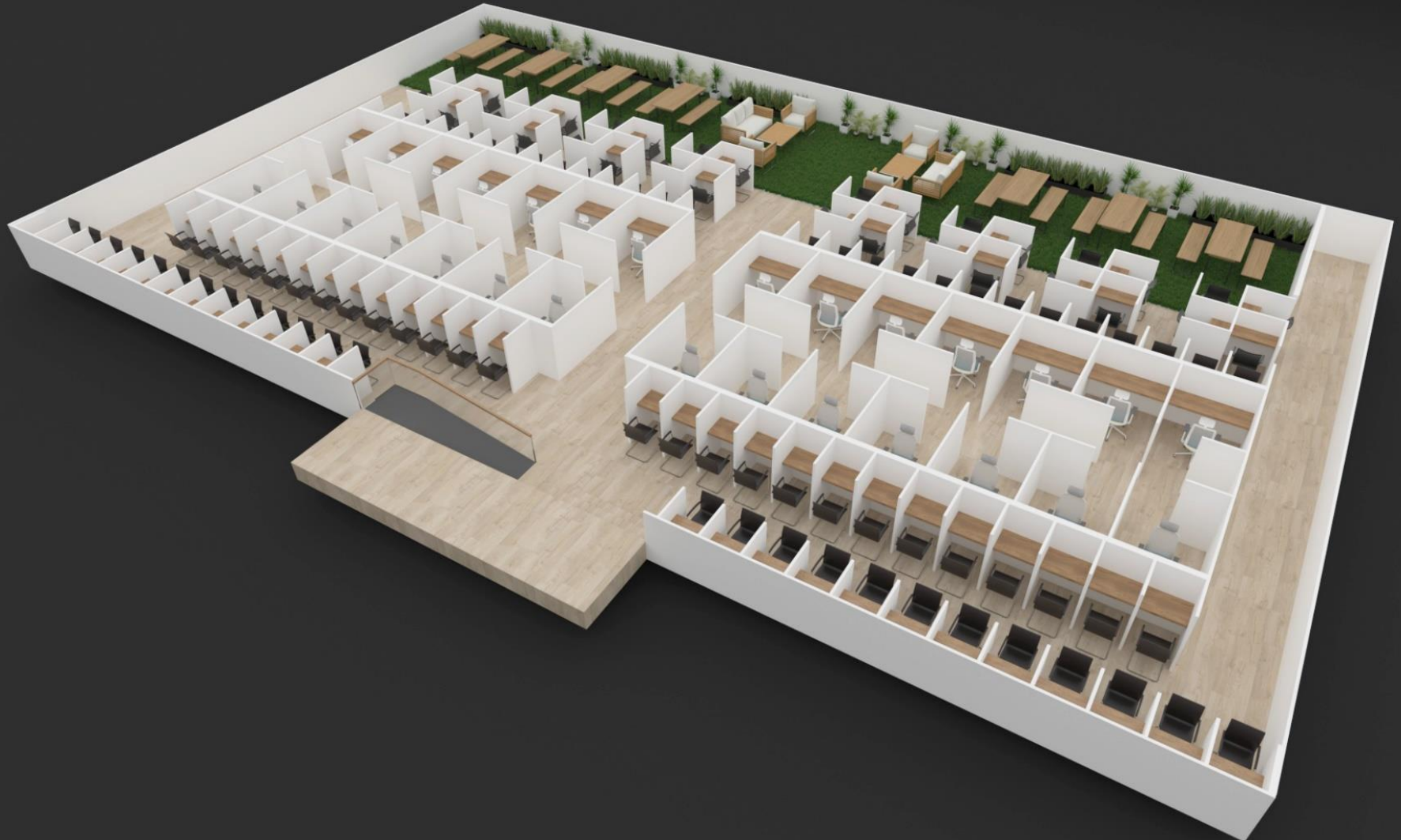


Support for Divyangjan

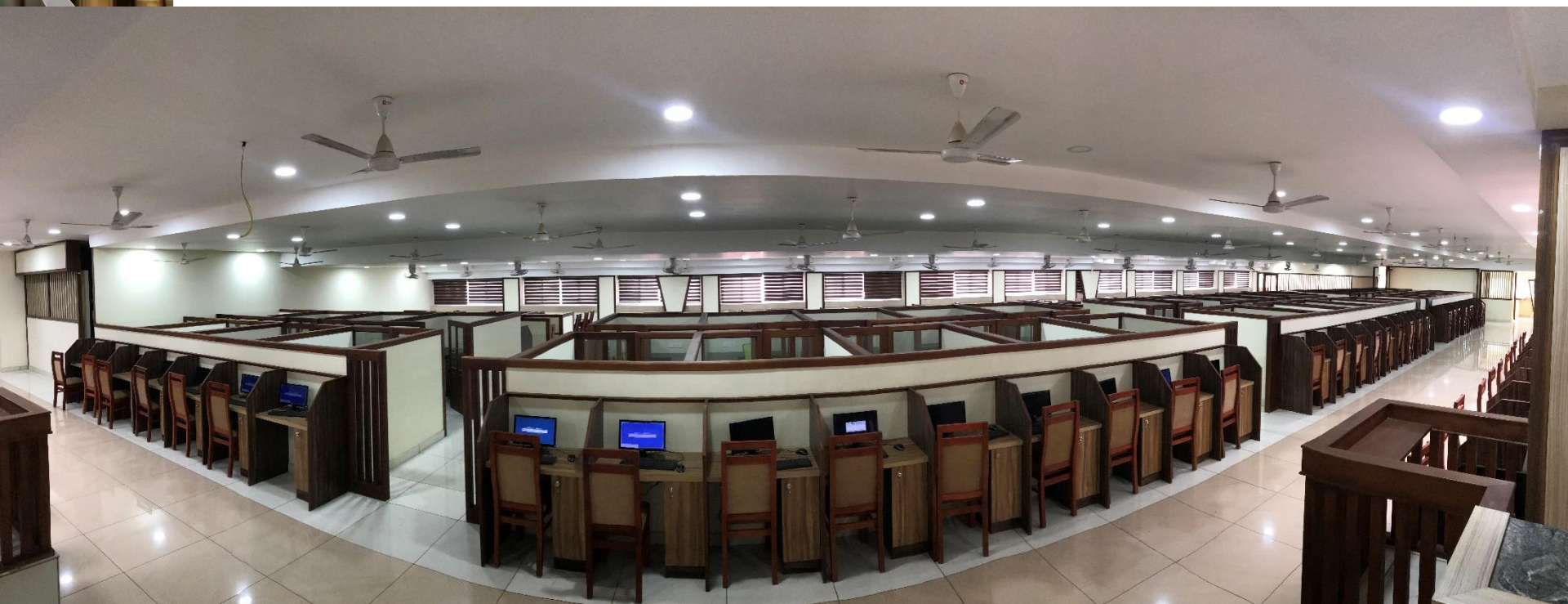


Lat 10.523633° Long 76.219377°
21/06/22 12:28 PM

The skeleton vs flesh and skin



Reading | Learning | Research Spaces









Book stacks





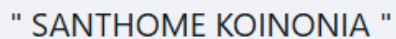




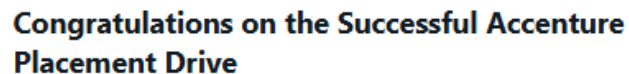
Modern library building ...



- Is not enough
- A librarian/library staff with service & innovative mind...
- Offering all possible services, courses ...



Antony, B Rakesh Electronics , B, B, B, B, B, B, B, B, B, B, B, B, B, B, B, B



We are thrilled to announce the success of the Accenture Assessment (Round 1) – Campus Drive, held on November 4-5, 2024, in our campus.

The event saw active participation from 23 UG and 11 PG final-year students, with 396 students successfully clearing the assessment – a proud achievement for our institution.

We extend our heartfelt thanks to everyone who contributed to the seamless organization of this event.

The next round of assessments for the selected candidates begins on November 11, 2024. Let us keep these students in our thoughts and prayers as they prepare for this critical step in their careers.

Congratulations to all successful candidates, and best wishes to everyone for their future endeavors!

Dr. Martin K. A.
Principal

Dr. Sunil Sunny Chalakkal
Dean, Career & Placement Services

Mr. Sanjo Jose
Drive Coordinator



8:00 pm



ONE DAY WORKSHOP ON ACADEMIC RESEARCH & ONLINE SOURCES

An Upskilling Exercise for
Ph.D. Scholars

at 10:00 am
16 NOVEMBER, 2024
at
MENACHERRY HALL
with

MR. SANJO JOSE
LIBRARIAN



Dr. Er. Martin K A, Principal
Dr. Joyce Jose, Dean of Research

ST. THOMAS COLLEGE AUTONOMOUS, THRISSUR

AFFILIATED TO UNIVERSITY OF CALICUT
NAAC A++ (3.70) & COLLEGE WITH POTENTIAL FOR EXCELLENCE



ONLINE COURSE ON RESEARCH & PUBLICATION ETHICS CERTIFICATE

This is to certify that Mr. Anurag Yadav
has successfully completed the two credit course on Research and Publication Ethics of 36-hours duration jointly conducted by the Department of Library & Information Studies and the Research & Development Cell of St. Thomas College (Autonomous), Thrissur, held from 20th September 2024 to 07th October 2024 and secured grade A+ with GPA 4.88 out of five.

Mr. Sanjo Jose, Course Coordinator
Librarian

Dr. Joyce Jose, Course Coordinator
Dean of Research

Rev. Dr. Martin K. A.
Principal

A pilgrim centre for academicians, designers ...



St Thomas became a trendsetter among HEIs to modernise their libraries

We have guests from all parts of the world







... and they became hosts







Thank you

National Seminar

**REIMAGINING LIBRARY SPACE:
PLANNING, DESIGN, AND INNOVATION *cum*
INAUGURATION OF RENOVATED GARDEN LIBRARY**

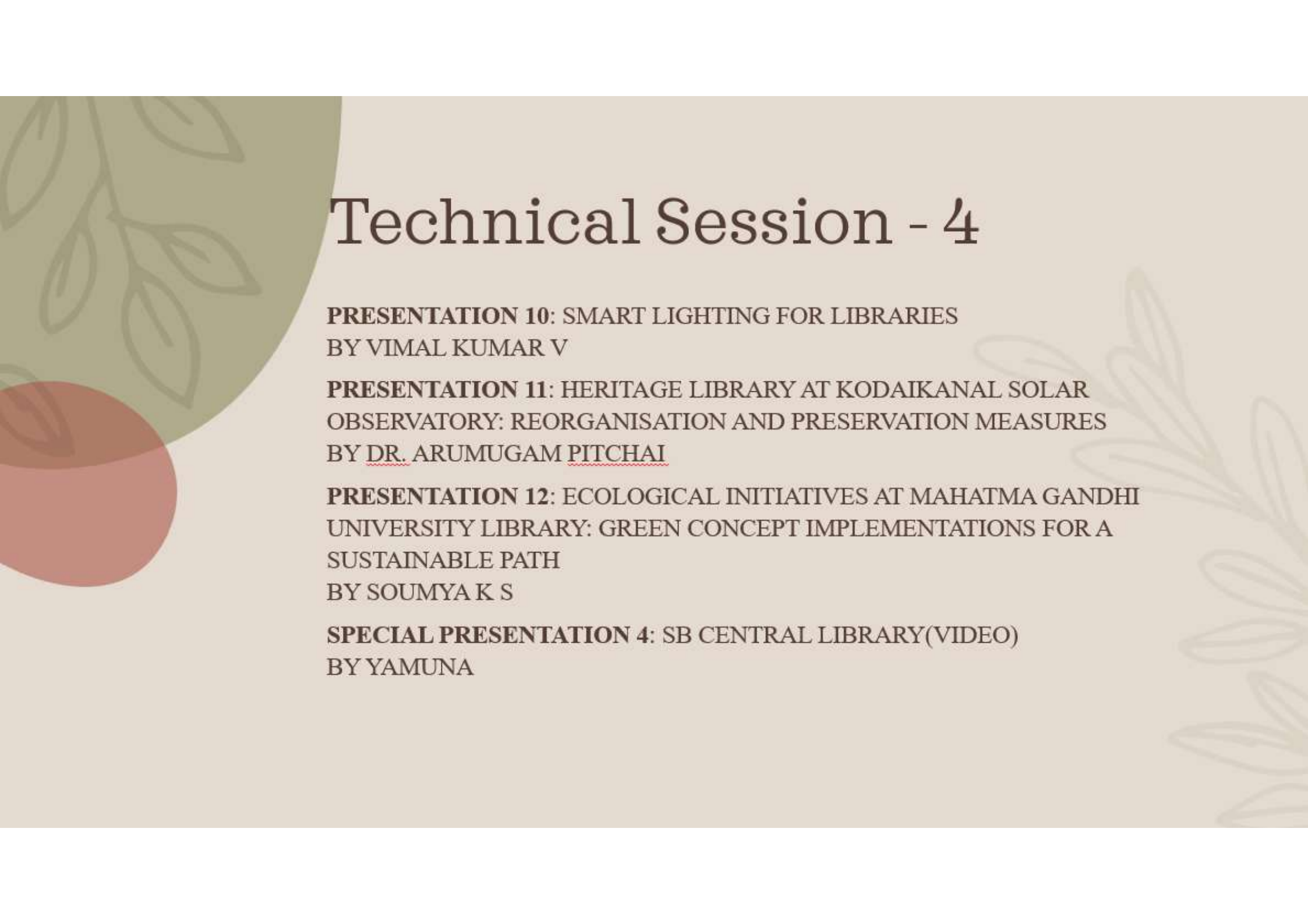
@ Dharmaram Vidya Kshetram (DVK), Bengaluru
on 12 November 2024

Organised by DVK Central Library

in collaboration with

Indian Association of
Teachers of Library and Information Science (IATLIS)

Chief Sponsor: Ajith Edu-Infra



Technical Session - 4

PRESENTATION 10: SMART LIGHTING FOR LIBRARIES

BY VIMAL KUMAR V

**PRESENTATION 11: HERITAGE LIBRARY AT KODAIKANAL SOLAR
OBSERVATORY: REORGANISATION AND PRESERVATION MEASURES**

BY DR. ARUMUGAM PITCHAI

**PRESENTATION 12: ECOLOGICAL INITIATIVES AT MAHATMA GANDHI
UNIVERSITY LIBRARY: GREEN CONCEPT IMPLEMENTATIONS FOR A
SUSTAINABLE PATH**

BY SOUMYA K S

SPECIAL PRESENTATION 4: SB CENTRAL LIBRARY(VIDEO)

BY YAMUNA

Smart lighting for libraries



Vimal Kumar V., PhD

Reference Assistant

Mahatma Gandhi University

<https://vimalkumar.info>



Smart lighting

A technology that allows you to control your home's lights remotely, using a **smartphone app**, **voice commands**, or other **smart devices**.



Advantages

Energy efficiency

Enhanced user experience

Cost savings

Sustainability



Lighting

1. Smart bulbs
2. Smart switches
3. Smart plugs



zunpulse WiFi Enabled 10W 16 million colours B22 Round LED Smart Bulb

[Visit the zunpulse Store](#)

6.2 6 ratings

-66% ₹400

M.R.P.: ₹1,199

Inclusive of all taxes

With **Amazon Business**, you would have saved ₹1,665.79 in the last year. [Create a free account](#) and save up to 15% today.



Offers

Bank Offer

Upto ₹1,500.00 discount on select...

[12 offers >](#)

Partner Offers

Get GST Invoice and save up to 28% on...

[1 offer >](#)

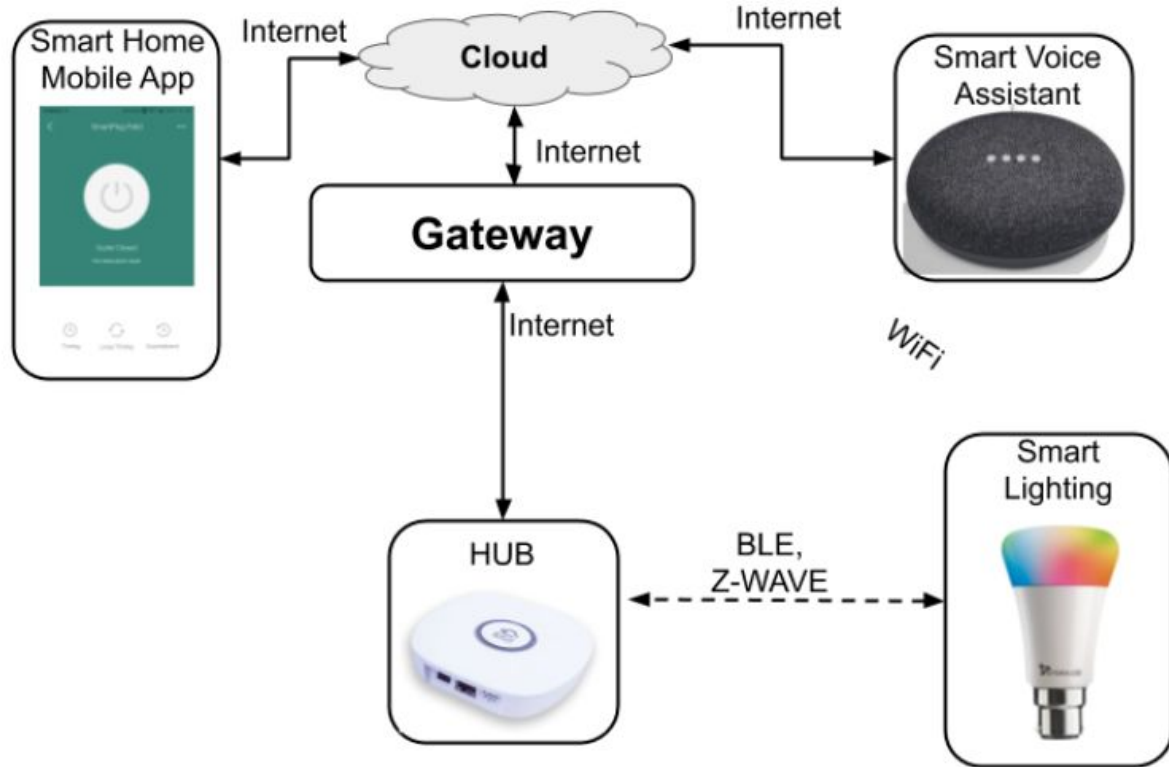


Convenience

1. Remote control
2. Scheduling
3. Grouping
4. Integration with other smart home devices



How do smart lighting work?



Motion sensor bulb

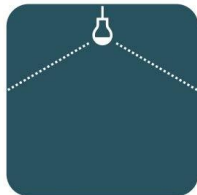
Motion Sensor LED Bulb with Automatic ON/OFF



Red light indicator on the bulb



Auto-On when it senses motion in 15 feet range



Auto-Off after 1 minute when no motion detected



360 degree motion detection angle

An intelligent light ideally for your

Bathroom



Balcony



Staircase



Porch



Driveway



Store Room



Conclusion

Smart lighting modernises libraries, enhancing the experience.

Commitment to sustainability and responsible resource management.

The long-term cost savings.

More welcoming and adaptable environment, promoting greater use of library spaces.



Heritage Library at Kodaikanal Solar Observatory:

Reorganisation and Preservation Measures

Dr. Arumugam Pitchai

Librarian, Indian Institute of Astrophysics





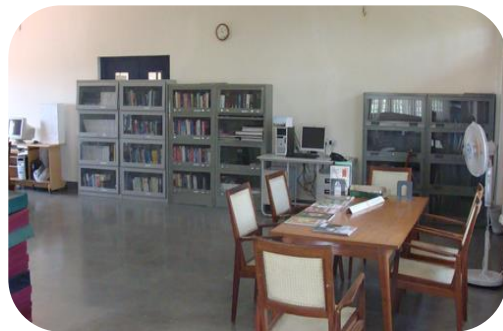
KSO Library, Kodaikanal



Main Campus Library, Bangalore



VBO Library, Kavalur



CREST Library, Hosakote



IIA Archives, Bangalore



Library at Leh

Cataloguing in Excel

Catalogue Data Enrichment

Rearrangement of Bound Volumes



Dec 2022
(9 months)

Jul 2023
(7 months)

Nov 2023
(4 months)

Jan 2024
(2 months)

March 2024
(2 months)

March 2024
(1 month)



Verification with Old Registers

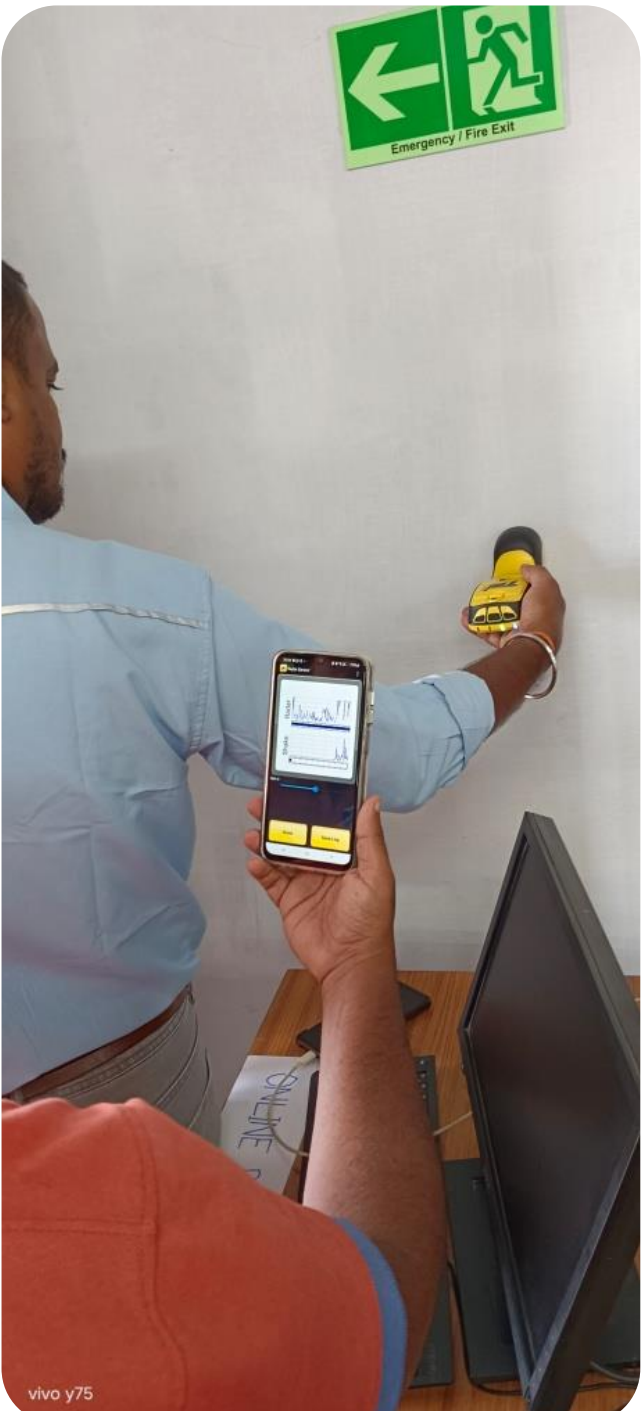
Physical Verification

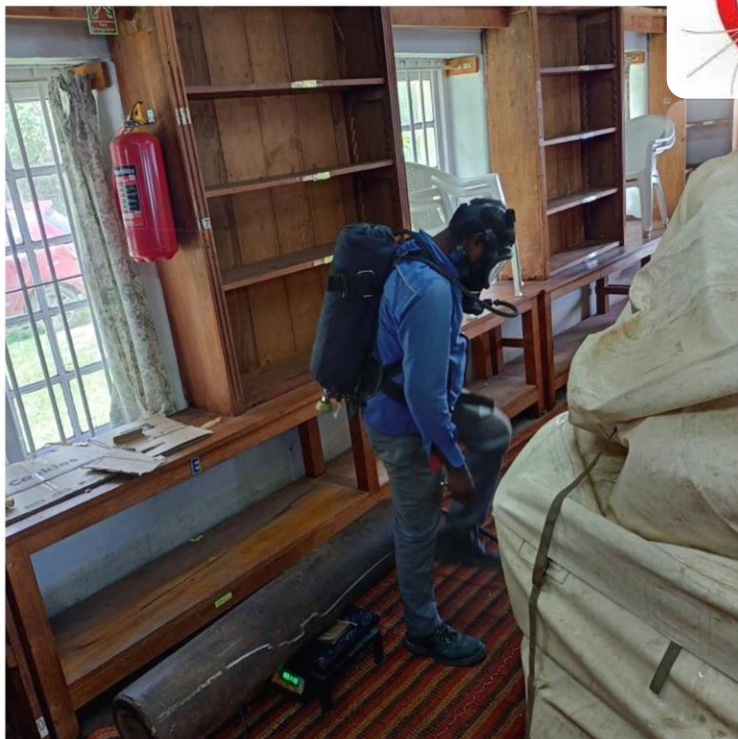
Movement to Library Portal

Année des k-k Séminaires in Wien	7	1844	1863	Gedruckte bei k.k. Hof	1863
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Journal des observations	10772	1878	1878	Centre national de la Recherche Scientifique et de l'Université d'Alsace	1878
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"	10774	1880	1880	"	"
Annuaire k-k Séminaires in Wien	16	1881	1881	Gedruckte in der k.k. Hof	1881
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"	265	2130	2130	"	"
"	266	2131	2131	"	"
"	267				











Next Steps



Organizing loose issues and initiate the binding process



Segregation of archival materials



Digitization of bound volumes

Ecological Initiatives at Mahatma Gandhi University Library: Green Concept Implementations for a Sustainable Path

Soumya K S
Reference Assistant
Mahatma Gandhi University
Kottayam - 686560



INTRODUCTION



Mahatma Gandhi University (MGU) is not only renowned for its academic excellence but also for its commitment to sustainability. The MGU library play a crucial role in promoting ecological initiatives that align with the university's broader environmental goals. This study examines the current status of these initiatives and outlines green concept implementation for establishing a sustainable path in MGU library.

OBJECTIVES OF THE STUDY

The major objectives of the study are:

- To explore the current green practices employed in the MGU library.
- To explore the Green Concepts Implementation in Various Sections of MGU Library

METHODOLOGY

The study mainly used observation and interview methods for data collection. Researcher directly visited each section of the MGU library and checked the existing green practices of the library. Investigator checked the standards of each computer, tube, and fan.

Current Green Practices in MGU Library



Some green operations are implemented in the MGU library, which are listed below. These practices are identified by the investigator through careful observation. MGU Library keeps a well-maintained yard with trees and plants. For attracting users, the library maintains the following:-

- A beautiful garden maintained in the front of the library and the window side of the Reference Section.
- OPACs are used instead of card catalogues.
- Maintained a good collection of e Books and e-journals that helps to reduce the use of paper materials.

- A lot of indoor plants are placed and maintained in the Reference, Periodical and Maintenance section.
- Collaborative learning spaces in the infinity hall provide greenery atmosphere which contribute the well-being of students and teachers, both physically and mentally.
- All the sections in the library are rich with plenty of natural air and light.
- Classification and cataloguing works are done with library-integrated management software; print card catalogues are not generated and maintained.
- Solar panels placed above the library produce a good amount of solar energy.

Green Concepts Implementation in Various Sections of the Library

Acquisition Section

Communications with vendors and suppliers, heads of departments, librarians, and book selection committee members must be in digitized form because that will help reduce the use of paper. While receiving books and other library materials, lots of carbon board boxes and other waste materials arise. At present, there are no recycling policies adopted in MGU Library. So the MGU Library should follow the recycling policy of M G University and send these waste materials for proper recycling.

Technical Section

The technical section of the MGU library uses Koha to classify and catalogue its materials. As a result, no print catalogues or other waste materials exist. This part is in an excellent location with plenty of natural light and air. So, there is no need for artificial lighting and fans

Circulation Section

Circulation is a central and highly visible function of a library. Circulation, which is often compared with inventory control, involves a great deal of record keeping and correspondingly consumes staff time. It is highly essential that the records have to be accurate and all information has to be updated immediately after each transaction.

- MGU library adopted circulation system through KOHA and installed a self-service kiosk or automated check-out system to reduce paper usage and minimize human error.
- MGU library also implemented a digital signage system to display important messages, reducing the need for printed materials and used energy-efficient lighting and LED bulbs to reduce energy consumption.

Periodical Section

- The shelves in this area are arranged away from the windows that allows direct sunlight from entering the room. As a result, the library uses more natural lights during the day.
- Communication with suppliers and vendors should be through e-mail and telephone which helped in reducing the use of paper materials.
- The libraries had actively promoted the use of digital resources, reducing the demand for printed materials and subsequently decreasing paper waste.

Maintenance Section

The work of maintenance section involves continuous monitoring, stocking, proper arrangement on the shelves, caring and display of books which leads to functioning and providing service to user community. Green concepts implemented in this section can be visualized by the following

- Replaced paper shelf guide with the help of permanent guide in the form of biodegradable material
- Eco friendly bulbs was used to save electricity
- Cleaning of floors and shelves are done using old clothes and biodegradable clothes.
- Cleaning material used are less hazardous (natural products)
- Keeps a book clinic for binding proces

Outdoor Spaces

- Created a garden library outside MGU library incorporated with native plants and which is visible from all parts of the library

Conclusion

As we are working towards attaining the seventeen Sustainable Development Goals (SDGs) adopted by United Nations member states by 2030. Librarians can play an important role in safeguarding the future of the planet. Green library plans should be incorporated into the library's mission and vision. Even though a lot of green library activities are practiced in the MGU library, it is high time that the authorities should think of and build a new library building with green certification, thereby contributing to energy conservation, reducing carbon footprint and making the earth a better place to live in.

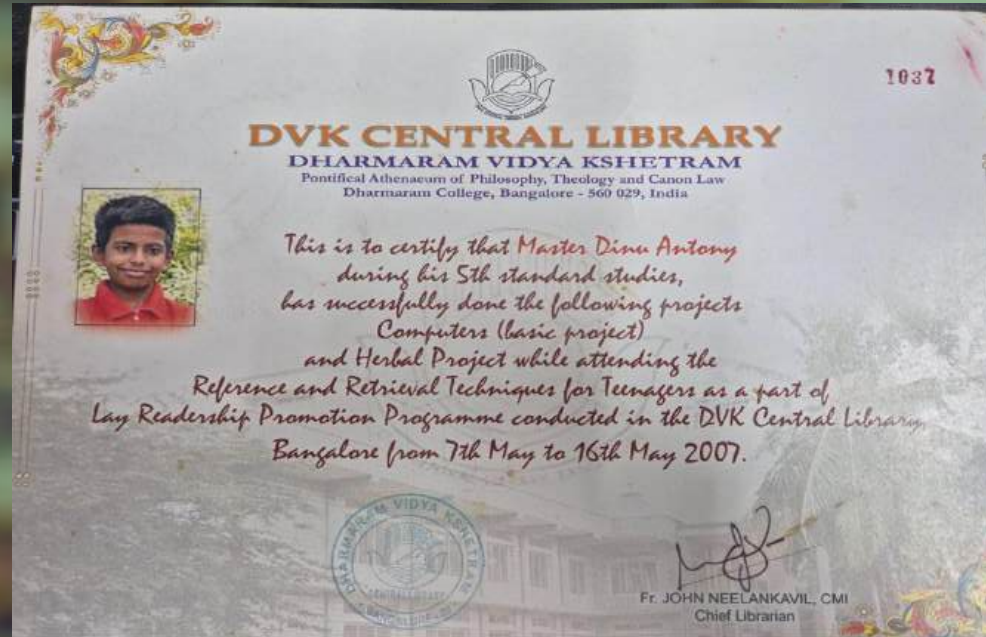


The background of the slide is a blurred photograph of a library. On the left, there are tall wooden bookshelves filled with books. On the right, a computer monitor is visible on a desk, displaying a webpage. The overall lighting is warm and the image is out of focus to emphasize the text.

References Culture at DVK Central Library & It's future benefits

Where it all began!

Lay Readership Promotion Programme 2007



- 11 Years Old
- Summer Vacation after 5th Standard

Key Takeaways from the Programme

Was very akin to writing a thesis

- Referencing Books and Periodicals
- Tracking Citations
- Developing a Schema of the Research Topic
- Writing Articles on the Chosen Topic
- Review of Progress & Feedback
- Final Report Writing
- Final Presentation



How it helped me academically

- BCA, M.Sc., M.Tech.
- PMI PMP and ACP
- Lean Six Sigma Black Belt
- NLP Research



How it helped my professionally

- Software Engineer at Airbus
- Ex-Dell EMC, Ex-Flipkart
- Spot Award(Airbus),
Inspire Award(Dell EMC)
- Travel Opportunities



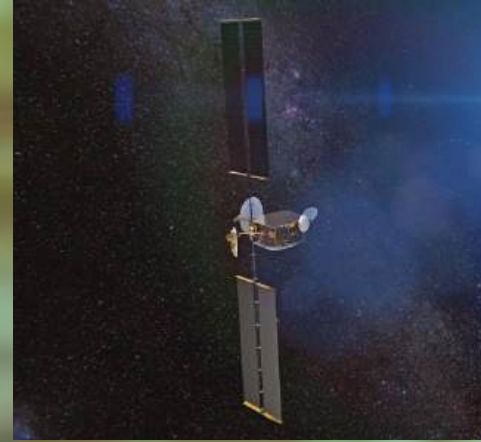
Future Path

- Technical Data Manager
Airbus Defence & Space, Portsmouth UK
- Space Engineering
Satellites - Product Engineering Delivery

Aspiration:

Ph.D. in Human Inspired Artificial Intelligence

University of Cambridge





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