



National e-conference

on

**“Viksit Bharat@2047: Role of Library”
March 12-14, 2024**

REPORT & RECOMMENDATIONS

Prepared by

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PROGRAMME SCHEDULE

12.03.2024	10:00 AM-11:00 AM	Inaugural ceremony
	10:00 AM – 10:15 AM	Welcome address and introduction of the programme by University Librarian Sir
	10:35 AM – 10:55 AM	Presidential address Prof. K.N. Singh Vice-Chancellor, CUSB
	10:55 AM – 11:00 AM	Vote of Thanks by Deputy Librarian Sir
	11:30 A.M. – 01:00 PM	Keynote talk- I
		Dr. Rajesh Singh University Librarian, University of Delhi
	03:00 PM – 04:30	Poster Session - I
13.03.2024	10:00 AM – 11:30 AM	Keynote talk – II
		Dr. B. K. Singh University Librarian, University of Allahabad
	11:30 AM – 01:00 PM	Keynote talk – III
		Dr. D.V. Singh Ex-University Librarian, University of Delhi
	03:00 PM – 04:30	Poster Session - II
14.03.2024	10:00 AM – 11:30 AM	Keynote talk – IV
		Prof. R.K. Choudhary Department of LIS, MGCUB
	11:30 AM – 01:00 PM	Keynote talk – V
		Dr. Abhishek Kumar Scientist -E (CS), INFLIBNET Centre
	03:00 PM – 04:00 PM	Valedictory Session
	02:55 PM	Joining of the participants and library officials on Google Meet
	03:00 PM – 03:15 PM	Keynote address Prof. KL Mahawar Department of LIS, BBAU
	03:15 PM – 03:35 PM	Closing remarks of the programme by University Librarian Sir
	03:35 PM – 03:55 PM	Declaration of Best Poster and Feedback of the participants
	03:55 PM – 04:00 PM	Vote of Thanks by Deputy Librarian Sir

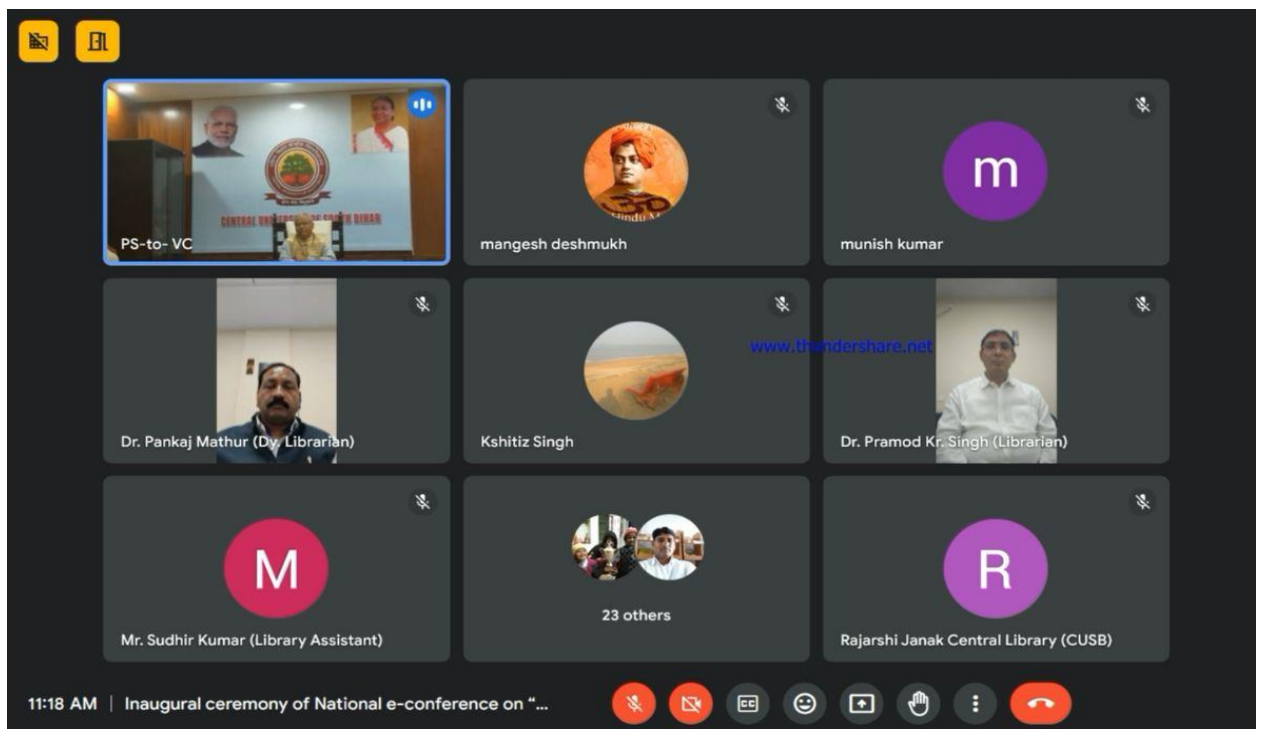
Summary of talks

Inaugural Ceremony:

- The inaugural ceremony commenced with a warm welcome address and introduction of the programme by the University Librarian, Dr. Pramod Kumar Singh setting the tone for the e-conference. His leadership and expertise contributed to the overall success and impact of the event, laying the foundation for a memorable and enriching experience for all participants.
- Prof. K.N. Singh, Hon`ble Vice-Chancellor of CUSB, delivered an inspiring presidential address, emphasizing the pivotal role of libraries in shaping the future of India. His address fostered engagement and dialogue among participants, sparking conversations about the role of libraries in India's future and generating ideas for innovative approaches and collaborations. His speech served as a catalyst for reflection, discussion, and collective action, inspiring attendees to explore new possibilities and avenues for leveraging the power of libraries for the greater good.

He emphasized on the transformative power of libraries as hubs of knowledge, innovation, and social change, envisioning them as catalysts for progress and development across various sectors.

The session concluded with a vote of thanks by the Deputy Librarian, Dr. Pankaj Mathur expressing gratitude to all participants and organizers for their contributions.



Keynote Talks:

- **Keynote Talk I**, delivered by **Dr. Rajesh Singh, University Librarian at the University of Delhi**, was an insightful and thought-provoking address that shed light on the evolving role of libraries in the digital age. Dr. Singh emphasized the profound impact of technological advancements on libraries and the imperative for adaptation in response to these changes.

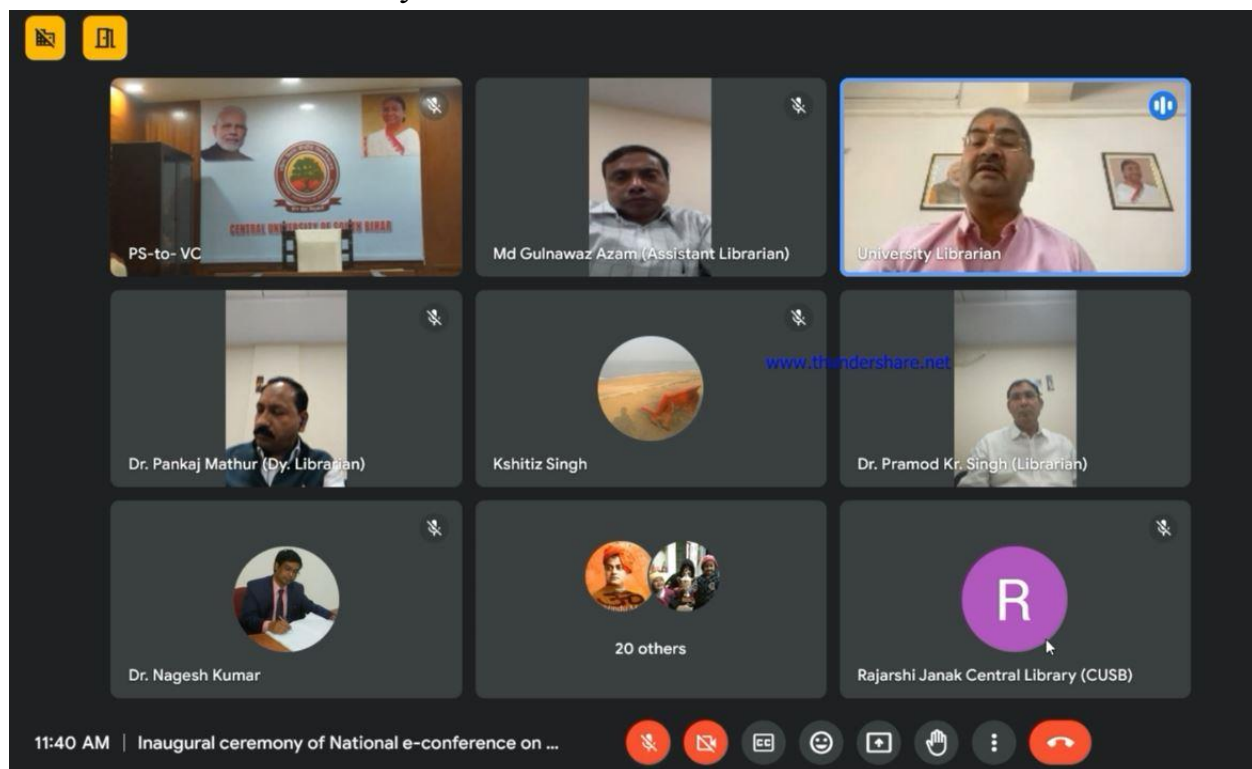
Throughout his keynote address, Dr. Singh underscored the transformative power of technology in reshaping the landscape of libraries and information services. He elucidated how digitalization has revolutionized traditional library practices, offering unprecedented opportunities for access, discovery, and dissemination of information resources. Moreover, Dr. Singh highlighted the significance of leveraging emerging technologies such as artificial intelligence, machine learning, and data analytics to enhance library services and meet the evolving needs of users.

In addition to exploring the technological dimensions, Dr. Singh delved into the broader implications of digital transformation on the mission and function of libraries. He emphasized the pivotal role of libraries as dynamic hubs of knowledge creation, curation, and preservation in the digital age. Moreover, Dr. Singh underscored the importance of libraries as catalysts for fostering information literacy, critical thinking, and lifelong learning among diverse user communities.

Furthermore, Dr. Singh articulated a compelling vision for the future of libraries, characterized by innovation, collaboration, and inclusivity. He emphasized the need for libraries to embrace a proactive approach towards technological innovation, adaptability, and user-centered service delivery. Moreover, Dr. Singh advocated for strategic partnerships and collaboration within the library community and beyond, to maximize the collective impact and relevance of libraries in the digital era.

In nutshell, Dr. Rajesh Singh's keynote address provided a comprehensive overview of the evolving role of libraries in the digital age, underscored the importance of embracing technological advancements, and articulated a compelling vision for the future of libraries as vibrant, inclusive, and transformative institutions. His insights served as a catalyst for stimulating

discussions and reflections on the challenges and opportunities facing libraries in the 21st century.



- **Keynote Talk II**, presented by **Dr. B. K. Singh, University Librarian at the University of Allahabad**, offered a profound exploration of the importance of collaborative efforts among libraries to advance access to information and stimulate research and innovation.

Throughout his keynote address, Dr. Singh underscored the pivotal role that collaboration plays in addressing the complex challenges facing libraries in the modern era. He emphasized that by pooling resources, expertise, and networks, libraries can extend their reach and impact, thereby enhancing access to information and promoting a culture of research and innovation.

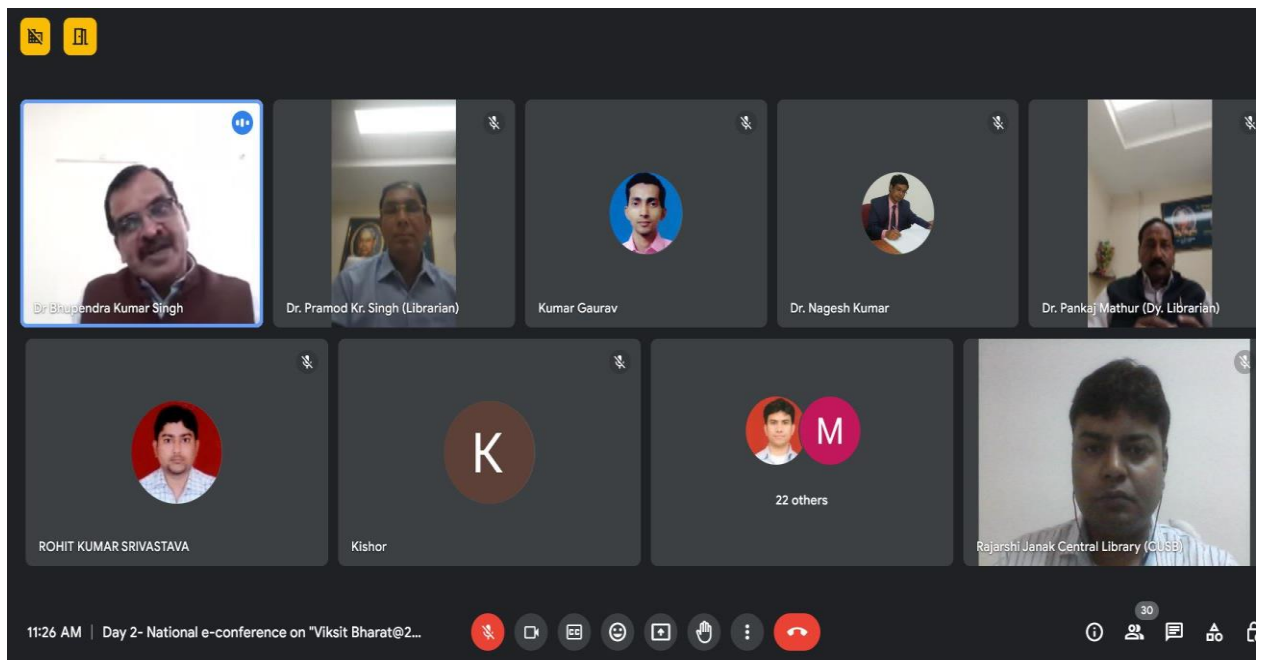
Dr. Singh highlighted the significance of collaborative initiatives in expanding the breadth and depth of library collections and services. He stressed that through strategic partnerships with other libraries, consortia, and information organizations, libraries can leverage collective resources to acquire and provide access to a wider array of information resources, including scholarly journals, databases, and digital repositories. Moreover,

Dr. Singh emphasized that collaborative collection development efforts enable libraries to fill gaps in their collections, ensure redundancy and preservation of critical resources, and enhance the overall quality of services offered to users.

Furthermore, Dr. Singh articulated the transformative potential of collaborative research and innovation initiatives facilitated by libraries. He highlighted examples of successful interdisciplinary research collaborations and knowledge exchange programs facilitated by libraries, which have led to breakthrough discoveries, innovations, and advancements in various fields. Dr. Singh underscored the importance of fostering a collaborative research culture within libraries, characterized by open access to information, interdisciplinary collaboration, and knowledge sharing among researchers, scholars, and practitioners.

Moreover, Dr. Singh advocated for the adoption of open access principles and practices to facilitate broader dissemination and utilization of research outputs. He emphasized that by embracing open access publishing models, libraries can democratize access to scholarly knowledge, empower researchers and practitioners worldwide, and catalyze innovation and progress across diverse domains.

In essence, Dr. B. K. Singh's keynote address provided a compelling rationale for the significance of collaborative efforts among libraries in enhancing access to information and fostering research and innovation. His insights underscored the critical role that libraries play as catalysts for collaboration, knowledge exchange, and societal advancement in the digital age. Dr. Singh's address served as an inspiration for librarians and information professionals to embrace collaborative approaches and work collectively towards the common goal of advancing access to information and promoting research and innovation.



- **Keynote Talk III**, delivered by **Dr. D.V. Singh, Ex-University Librarian at the University of Delhi**, provided a comprehensive exploration of the challenges and opportunities encountered by libraries in their efforts to support lifelong learning and skill development initiatives.

Dr. Singh commenced his keynote address by elucidating the evolving nature of education and learning paradigms in the contemporary era, characterized by the increasing importance of lifelong learning and continuous skill development. He underscored the critical role that libraries play as pivotal hubs of lifelong learning, serving as accessible and inclusive spaces for individuals to acquire knowledge, develop skills, and pursue personal and professional growth throughout their lives.

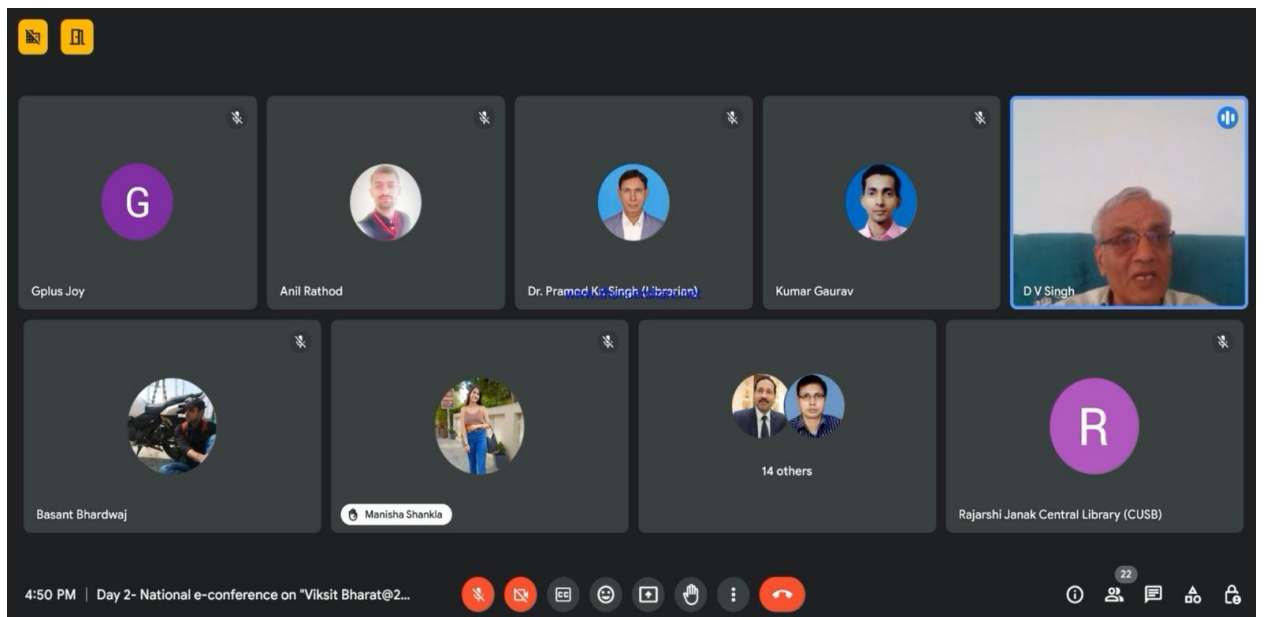
Throughout his address, Dr. Singh delved into the multifaceted challenges confronting libraries in their endeavor to facilitate lifelong learning and skill development. He highlighted issues such as digital divide, information overload, and technological obsolescence, which pose significant barriers to equitable access to educational resources and opportunities for skill enhancement. Moreover, Dr. Singh emphasized the importance of addressing socio-economic disparities and cultural barriers that hinder

access to educational resources and opportunities, particularly among marginalized and underserved communities.

Furthermore, Dr. Singh elucidated the transformative potential of libraries in overcoming these challenges and fostering lifelong learning and skill development. He underscored the importance of adopting innovative approaches and leveraging emerging technologies to enhance the accessibility, relevance, and effectiveness of library services and resources. Dr. Singh advocated for the integration of digital literacy and information literacy initiatives into library programs, empowering individuals with the necessary skills and competencies to navigate the digital landscape, critically evaluate information, and engage in lifelong learning endeavors.

Moreover, Dr. Singh emphasized the importance of fostering partnerships and collaboration with educational institutions, government agencies, and community organizations to expand the reach and impact of library-based lifelong learning initiatives. He highlighted examples of successful collaborative programs and initiatives aimed at promoting digital literacy, vocational training, and entrepreneurship skills development, which have empowered individuals to thrive in the digital economy and contribute to socio-economic development.

In nutshell, Dr. D.V. Singh's keynote address provided a compelling analysis of the challenges and opportunities faced by libraries in supporting lifelong learning and skill development initiatives. His insights underscored the indispensable role of libraries as catalysts for personal and professional growth, social inclusion, and lifelong learning in the digital age. Dr. Singh's address served as a call to action for libraries to embrace innovation, collaboration, and advocacy in their mission to empower individuals with the knowledge, skills, and competencies needed to succeed in an ever-changing world.



- **Keynote Talk IV**, delivered by **Prof. R.K. Choudhary** from the **Department of Library and Information Science (LIS) at Mahatma Gandhi Central University Bihar (MGCUB)**, focused on the introduction of a new academic program titled "Four-Year Bachelor (Honours with Research)" at MGCUB, Motihari, aligning with the objectives outlined in the National Education Policy.

Prof. Choudhary began his keynote address by providing an overview of the changing landscape of higher education in India, emphasizing the need for innovation and adaptation to meet the evolving needs of students and society. He highlighted the key provisions and recommendations of the National Education Policy, which advocates for transformative reforms aimed at enhancing the quality, equity, and relevance of higher education in the country.

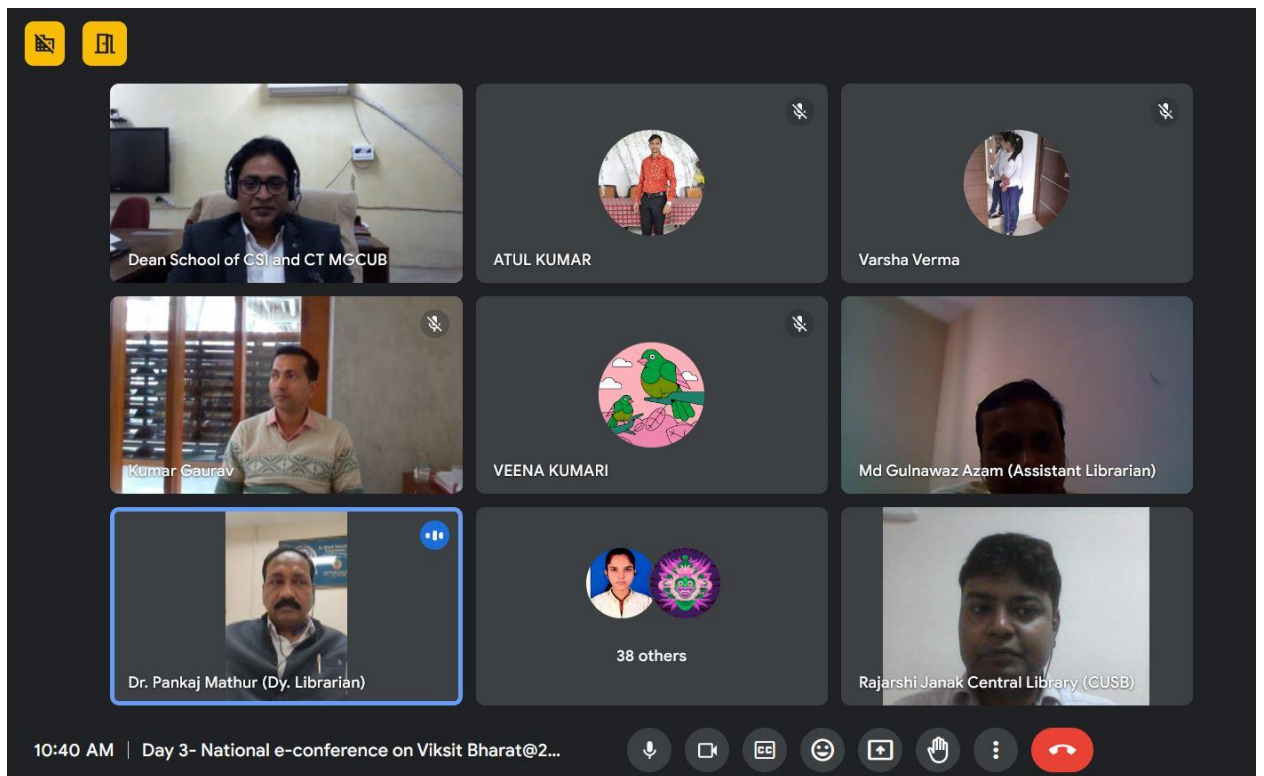
Central to Prof. Choudhary's address was the introduction of the new academic program, the Four-Year Bachelor (Honours with Research), at MGCUB, Motihari. He elaborated on the rationale behind the design and implementation of this program, which seeks to provide students with a holistic and research-oriented learning experience. Prof. Choudhary underscored the program's emphasis on interdisciplinary education,

experiential learning, and research engagement, aimed at nurturing critical thinking, creativity, and problem-solving skills among students.

Moreover, Prof. Choudhary elucidated the distinctive features and structure of the Four-Year Bachelor (Honours with Research) program, highlighting its multidisciplinary curriculum, research-focused coursework, and integrated experiential learning opportunities. He emphasized the program's alignment with the principles of the National Education Policy, particularly its emphasis on promoting holistic development, fostering research and innovation, and enhancing employability through skill development.

Furthermore, Prof. Choudhary discussed the potential impact of the new academic program on the higher education landscape in India. He emphasized its role in bridging the gap between academia and industry, fostering a culture of research and innovation, and preparing students for the challenges and opportunities of the 21st century. Prof. Choudhary also highlighted the significance of collaboration and partnerships with industry, government, and other educational institutions in ensuring the success and sustainability of the program.

To conclude, it can be said that Prof. R.K. Choudhary's keynote address provided valuable insights into the introduction of the Four-Year Bachelor (Honours with Research) program at MGCUB, Motihari, in line with the National Education Policy. His address underscored the importance of innovative approaches to higher education that prioritize research, interdisciplinary learning, and holistic development, ultimately contributing to the advancement of knowledge, society, and the economy. Prof. Choudhary's presentation served as a catalyst for discussions and reflections on the future direction of higher education in India and the role of universities in fostering excellence, innovation, and inclusivity.



- **Keynote Talk V**, presented by **Dr. Abhishek Kumar, Scientist-E (CS) at the Information and Library Network Centre (INFLIBNET)**, focused on the transformative potential of emerging technologies, particularly artificial intelligence (AI) and machine learning (ML), in revolutionizing library services and enhancing user experience.

Dr. Kumar commenced his keynote address by providing an overview of the rapid advancements in AI and ML technologies and their increasing applications across various domains, including libraries and information science. He highlighted the unique capabilities of AI and ML algorithms to analyze vast amounts of data, extract meaningful insights, and automate complex tasks, thereby augmenting the capabilities of librarians and improving the efficiency of library operations.

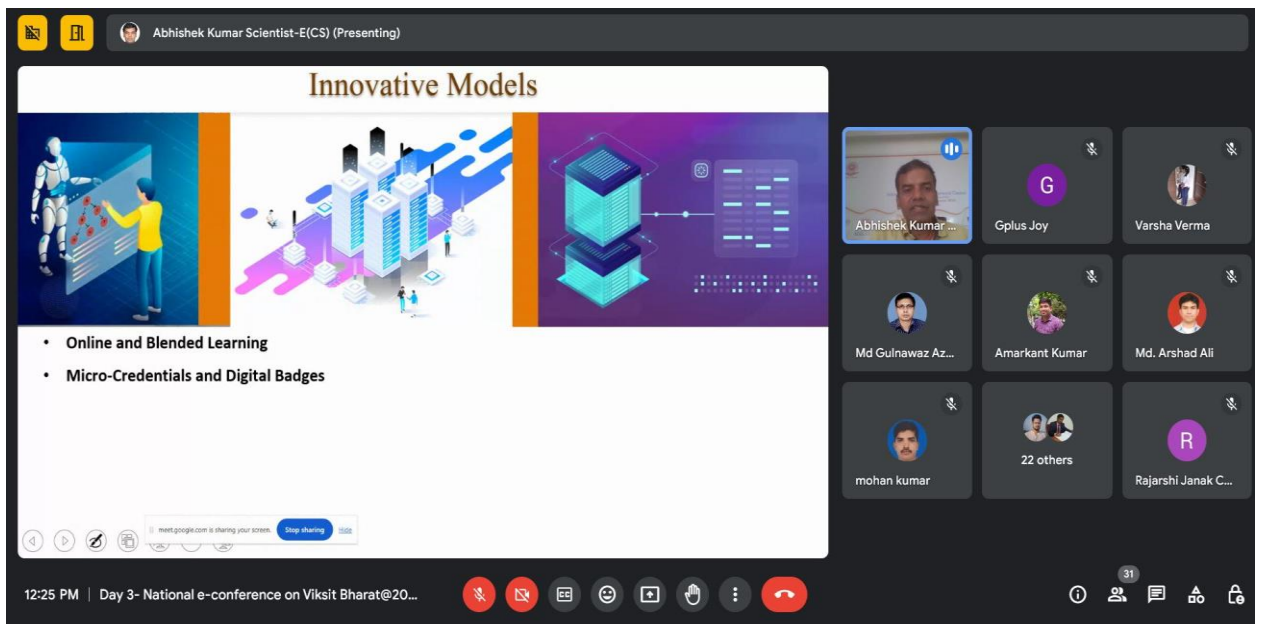
Throughout his address, Dr. Kumar elucidated the diverse ways in which AI and ML technologies can be leveraged to enhance library services and user experience. He emphasized the potential of AI-powered recommendation systems to personalize information discovery and retrieval for users,

enabling them to access relevant resources tailored to their interests, preferences, and learning objectives. Additionally, Dr. Kumar discussed the application of natural language processing (NLP) techniques in enhancing information retrieval systems, enabling users to interact with library catalogs and databases using natural language queries.

Furthermore, Dr. Kumar explored the role of AI and ML in enabling predictive analytics and decision support systems in libraries. He highlighted how predictive modeling techniques can be used to forecast user demand for library resources, optimize collection development strategies, and allocate resources more effectively. Moreover, Dr. Kumar discussed the potential of AI-driven chatbots and virtual assistants in providing personalized assistance and support to library users, enhancing their overall experience and satisfaction.

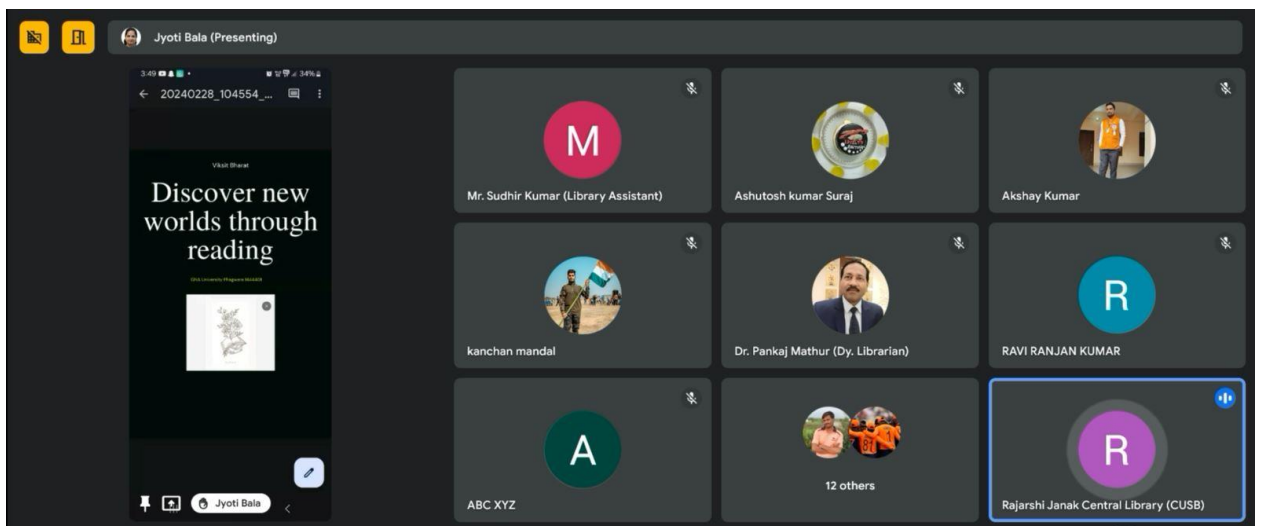
Moreover, Dr. Kumar underscored the importance of ethical considerations and data privacy in the adoption of AI and ML technologies in libraries. He emphasized the need for transparent and accountable AI systems, robust data governance frameworks, and user consent mechanisms to ensure the responsible and ethical use of AI in library services.

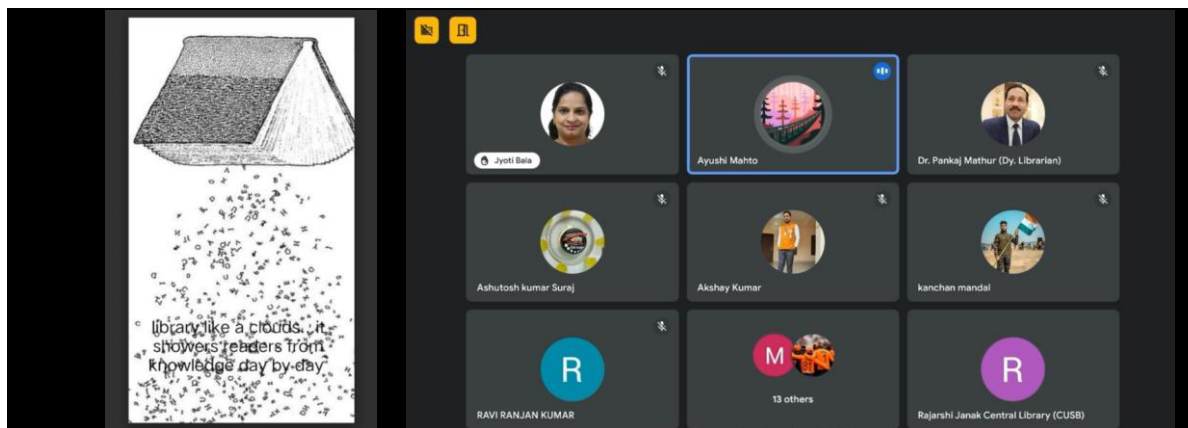
In conclusion, Dr. Abhishek Kumar's keynote address provided a compelling overview of the transformative potential of emerging technologies such as artificial intelligence and machine learning in revolutionizing library services and enhancing user experience. His insights underscored the importance of embracing innovation and leveraging technology to address the evolving needs and expectations of library users in the digital age. Dr. Kumar's address served as a catalyst for discussions and reflections on the integration of AI and ML technologies into library operations and the opportunities and challenges associated with their adoption.



Poster Sessions:

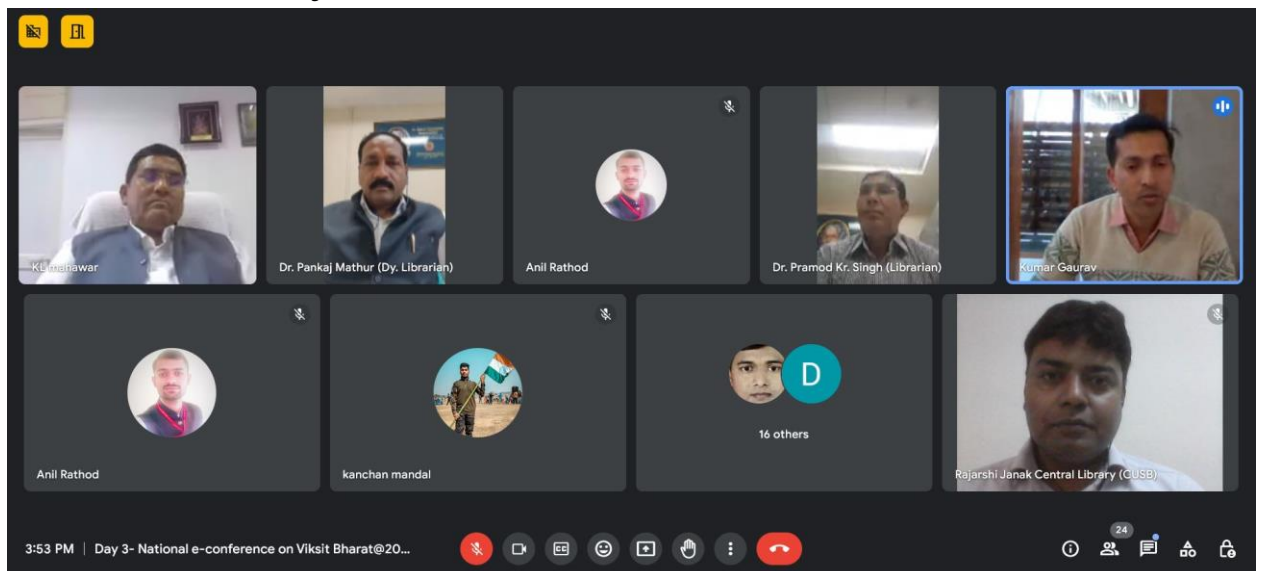
- Poster sessions provided a platform for participants to showcase their research and innovative practices in library science, fostering knowledge exchange and networking opportunities.





Valedictory Session:

- The valedictory session featured a keynote address by Prof. KL Mahawar from the Department of LIS at BBAU, reflecting on key insights and takeaways from the e-conference.
- University Librarian, Dr. Pramod Kumar Singh concluded the programme with closing remarks, expressing gratitude to all participants, speakers, and organizers for their valuable contributions.
- The session concluded with the declaration of the best poster and gathering feedback from participants, followed by a vote of thanks by the Deputy Librarian, Dr. Pankaj Mathur.



Recommendations for Viksit Bharat@2047: Role of Library:

1. **Promote Digital Literacy:** Promoting digital literacy is crucial in today's digital age, where access to information and resources increasingly relies on digital platforms and technologies. Digital literacy encompasses a range of skills, including the ability to use digital devices, navigate online platforms, critically evaluate digital content, and protect one's privacy and security online. In an era where much of our daily activities, from accessing educational resources to conducting research and communication, occur online, digital literacy is essential for full participation in society and the economy. Digital literacy is not limited to any particular demographic but is essential for individuals of all ages and backgrounds. By targeting diverse user groups, libraries can ensure that digital literacy initiatives are inclusive and accessible to all members of the community.

Moreover, digital literacy initiatives aim to ensure equitable access to digital resources and information for all library users. By providing training and educational programs on digital literacy, libraries can empower individuals with the skills they need to access, evaluate, and use digital information effectively, regardless of their socio-economic background or level of digital proficiency.

Digital literacy initiatives may take various forms, including workshops, training sessions, online tutorials, and resource guides. These initiatives may cover topics such as internet safety, online research skills, digital citizenship, and using digital tools for learning and communication. By offering a range of resources and programs, libraries can cater to the diverse needs and preferences of their users. Collaboration with other organizations and stakeholders, such as educational institutions, community groups, and technology companies, can also enhance the impact and reach of digital literacy initiatives. By leveraging partnerships, libraries can access additional resources, expertise, and support to develop and implement effective digital literacy programs that meet the evolving needs of their communities.

2. **Strengthen Interlibrary Collaboration:** Strengthening interlibrary collaboration is a strategic imperative for libraries seeking to maximize

resources, improve services, and better serve their communities. Interlibrary collaboration allows libraries to pool their resources, including physical collections, digital resources, expertise, and infrastructure. By sharing resources, libraries can expand their collections, provide access to a wider range of materials, and optimize their use of limited resources, ultimately benefiting library users with more comprehensive and diverse collections.

Collaboration among libraries further provides opportunities for sharing best practices, innovative approaches, and successful strategies for library management, service delivery, and user engagement. Through collaborative forums, conferences, and workshops, libraries can learn from each other's experiences, adapt successful practices to their own contexts, and continuously improve the quality and efficiency of their services.

Interlibrary collaboration further enhances access to information and services for library users. By participating in cooperative networks at state level, libraries can provide their users with access to resources beyond their individual collections, including materials held by other libraries within the network. This also enhances the overall value proposition of libraries, making them more relevant and indispensable to their users.

By partnering with libraries that have complementary strengths, libraries can offer more specialized services, support interdisciplinary research and learning, and meet the diverse needs of their users more effectively. By presenting a unified front, libraries can more effectively advocate for their interests and priorities at the local, national, and international levels, leading to positive outcomes for the library profession and the communities they serve.

- 3. Embrace Emerging Technologies:** The recommendation to embrace emerging technologies underscores the importance of libraries adopting innovative technologies to enhance their operations, services, and user experiences. Libraries can leverage (Artificial Intelligence) AI technologies to automate routine tasks, such as cataloging, metadata tagging, and circulation management. AI-powered chatbots can provide personalized assistance to users, answering queries, recommending resources, and facilitating access to library services. AI algorithms can also analyze user

behavior and preferences to personalize search results and recommendations, improving the relevance and effectiveness of information retrieval.

Machine Learning (M)L algorithms can also be employed by the libraries to analyze large datasets and extract insights that inform decision-making and service optimization. For example, ML algorithms can be used to analyze circulation patterns, user preferences, and resource usage trends to optimize collection development, resource allocation, and service provision. ML-based predictive analytics can forecast user demand for library resources, enabling libraries to anticipate and meet user needs more effectively.

Further, blockchain technology offers opportunities for enhancing the security, transparency, and integrity of library operations, particularly in areas such as authentication, digital rights management, and archival preservation. By leveraging blockchain-based solutions, libraries can ensure the authenticity and provenance of digital assets, facilitate secure transactions, and protect intellectual property rights.

Emerging technologies such as metaverse also enable libraries to personalize user experiences, tailoring services and resources to individual preferences, interests, and learning objectives. By analyzing user data and behavior, libraries can customize recommendations, alerts, and notifications, delivering content that is relevant and timely. Personalized interfaces and interactive features enhance user engagement and satisfaction, fostering a positive user experience.

However, embracing emerging technologies is not a one-time endeavor but an ongoing process of continuous innovation and adaptation. Libraries must stay abreast of technological advancements, experiment with new tools and platforms, and adapt their strategies and practices to harness the full potential of emerging technologies. Collaboration with technology partners, peer institutions, and industry experts will facilitate knowledge exchange and sharing of best practices, driving innovation and transformation in library services by 2047.

- 4. Support Lifelong Learning:** Supporting lifelong learning is essential for libraries to fulfill their mission of providing access to information, fostering intellectual growth, and empowering individuals to achieve their full potential by 2047. Libraries can offer a variety of continuing education opportunities to support lifelong learning. These may include formal courses, workshops, seminars, and webinars on a wide range of topics, such as digital literacy, information literacy, language skills, financial literacy, and personal development. By partnering with educational institutions, community organizations, and industry experts, libraries can provide access to high-quality educational content and learning experiences.

Libraries can organize skill development skills workshops on topics such as computer skills, coding, data analysis, graphic design, entrepreneurship, and job search strategies to prepare the youths. These workshops will equip individuals with the skills they need to succeed in the workplace, adapt to technological advancements, and pursue new career opportunities by 2047. Libraries can also facilitate mentorship programs that connect experienced professionals with individuals seeking guidance, advice, and support in their personal and professional development journey. Mentorship programs will offer valuable opportunities for networking, career advancement, and personal growth.

Libraries can also leverage online learning platforms and resources to provide access to self-paced learning opportunities, tutorials, and educational videos. By curating and promoting online learning resources, libraries can empower individuals to engage in lifelong learning activities anytime, anywhere, at their own pace. Online learning platforms offer flexibility and convenience, making learning accessible to diverse audiences, including busy professionals, students, and lifelong learners.

Libraries can also promote lifelong learning through community engagement and outreach activities, such as book clubs, discussion groups, lecture series, and cultural events. These activities foster a culture of learning, curiosity, and intellectual exchange within the community, promoting lifelong learning as a shared value and aspiration. Further, to ensure the effectiveness and relevance of lifelong learning programs and services, libraries should

regularly evaluate their offerings and solicit feedback from participants. Feedback surveys, focus groups, and informal discussions with users can provide valuable insights into the impact of lifelong learning initiatives, areas for improvement, and emerging learning needs and preferences.

5. **Foster Community Engagement:** Fostering community engagement is essential for libraries to become dynamic centers of social interaction, cultural exchange, and civic participation to ensure developed India by 2047. Libraries should strive to create inclusive and welcoming spaces that are accessible to all members of the community, regardless of age, background, or socio-economic status. This includes ensuring physical accessibility, providing comfortable seating areas, and incorporating diverse cultural and linguistic elements into library design and décor. By fostering a sense of belonging and acceptance, libraries can attract a diverse range of users and promote social cohesion within the community.

Libraries should also serve as vibrant hubs for community engagement, offering a variety of programs, activities, and events that cater to the interests and needs of diverse community members. This may include book clubs, storytime sessions, film screenings, art exhibits, music performances, and cultural festivals. By providing opportunities for social interaction and creative expression, libraries can strengthen social ties, build community spirit, and foster a sense of collective belonging and identity contributing to a developed India.

Libraries can also organize multicultural events, language exchange programs, and heritage celebrations that highlight the rich cultural tapestry of the community. By providing platforms for cultural expression and dialogue, libraries can foster intercultural understanding, respect, and appreciation, promoting a more inclusive and harmonious society by 2047. Libraries should further facilitate civic dialogue and public discourse on issues of local, national, and global significance. This may include hosting public forums, panel discussions, and debates on topics such as democracy, human rights, environmental sustainability, and social justice. By providing neutral and inclusive spaces for dialogue and debate, libraries can promote informed citizenship, critical thinking, and civic engagement, empowering

community members to participate actively in democratic processes and civic life by 2047.

Further, by partnering with schools, universities, non-profit organizations, and grassroots initiatives, libraries can leverage resources, expertise, and networks to expand their reach and impact within the community. Collaboration enhances the diversity and richness of library programs and services, ensuring they are responsive to the evolving needs and aspirations of the community.

- 6. Advocate for Policy Support:** Advocating for policies and funding initiatives that prioritize the development and sustainability of libraries is essential for recognizing their critical role in advancing education, research, and innovation within India's knowledge infrastructure.

Libraries are not just repositories of knowledge but essential components of India's knowledge infrastructure. They serve as hubs for learning, research, and innovation, providing access to information, resources, and services that support the academic, professional, and personal growth of individuals. Recognizing libraries as essential components of the knowledge ecosystem acknowledges their fundamental importance in fostering a culture of learning, inquiry, and discovery within society.

Advocating for policies that support the development and sustainability of libraries is crucial for ensuring their continued relevance and effectiveness in meeting the evolving needs of dynamic library users by 2047. This includes advocating for policies that allocate adequate funding and resources for library infrastructure, collections, technology, and staff training. It also involves advocating for policies that promote open access to information, intellectual freedom, and equitable access to library services for all members of society.

Moreover, libraries are indispensable partners in supporting research and scholarly inquiry by providing access to scholarly literature, research databases, and specialized collections. Advocating for policies that support the acquisition and preservation of research materials, as well as the development of research support services such as data management and

scholarly communication, strengthens libraries' capacity to support the research enterprise and contribute to knowledge creation and dissemination.

Most important is the fact that libraries play a crucial role in fostering innovation by providing access to cutting-edge information, technology, and resources that fuel creativity, entrepreneurship, and problem-solving. Advocating for policies that promote innovation in library services, technology infrastructure, and programming empowers libraries to adapt to changing user needs, embrace emerging technologies, and serve as catalysts for innovation and economic development within their communities.

These recommendations aim to harness the transformative potential of libraries in shaping a developed and inclusive India by 2047, fostering knowledge creation, dissemination, and empowerment across diverse communities and sectors.