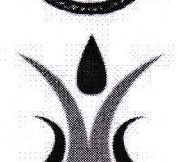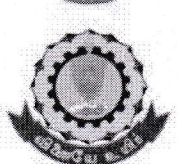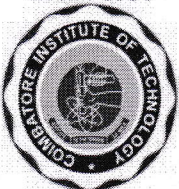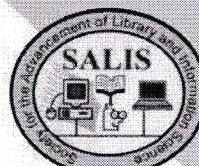# CHALLENGES AND OPPORTUNITIES TO LIBRARIES & LIS PROFESSIONALS IN THE CHANGING GLOBAL SCENARIO

Estd : 1984

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SOCIETY FOR THE ADVANCEMENT OF LIBRARY AND INFORMATION SCIENCE (SALIS)

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DIGITAL INDIA INITIATIVES IN EDUCATION: AN OVERVIEW

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Abstract

In India, the implementation of ICT based services in various government sectors helps common people to receive various benefits, especially in terms of service, money and time. This paper highlights about various digital initiatives in India such as National Career Portal, National Knowledge Network, Sugaamaya Pustakalya, Ugamaya Pustakalya, Umang Mobile Application, Digilocker, etc.

Keywords: *ICT in Education, Ugamaya Pustakalya, UMANG Mobile Application*

Introduction

In the beginning of 20th century major changes took place in various departments and provide citizen services to the public. After the implementation of ICT based services in the government sector, people received various benefits, especially interms of money and time.In the year of 2015 Government of India launched the Digital India project and developed more applications for providing digital services to every citizen of the Nation. This paper gives an overview about Digital India Project, Digital India Services and Digital India Initiatives in Education. .

Vision of Digital India Initiatives: The three core vision of the Digital India Programme.

➢ **Digital Infrastructure as a Core Utility to Every Citizen**

- Availability of high speed internet as a core utility for delivery of services to citizens

- Cradle to grave digital identity that is unique, lifelong, online and authenticable to every citizen

- Mobile phone and bank account, enabling citizen participation in digital and financial space etc.,

➢ **Governance and Services on Demand**

- Seamless integrated services across departments or jurisdictions

- Availability of services in real time from online and mobile platforms

- All citizen entitlements to be portable and available on the cloud

- Digitally transformed services for improving ease of doing business

- Making financial transactions electronic and cashless

- Leveraging Geospatial Information Systems (GIS) for decision support systems and development

➢ **Digital Empowerment of Citizens**

- Universal digital literacy

- Universally accessible digital resources

- Availability of digital resources/services in Indian languages
- Collaborative digital platforms for participative governance
- Citizens not required to physically submit Government documents/certificates

Nine Pillars for Achieve the Digital India Services

- Broadband Highways
- Universal Access to Mobile Connectivity
- Public Internet Access Programme
- E-Governance – Reforming Governance through Technology
- E-Kranti – Electronic delivery of services
- Information for All
- Electronics Manufacturing
- IT for Jobs
- Early harvest programmes

Digital India Services in Education

➢ **E-Granthalaya:** Department of Electronics and Information Technology and National Informatics Centre (NIC) developed e-Granthalaya library management system. This software is very useful functions to library services namely active online member services, Unicode complaint services, Web OPAC facility through Internet and all the library routine services.

➢ **E-Pgpathshala:** Information and Library Network (INFLIBNET) under the financial assistance from the National Mission on Education through Information and Communication Technology (NME-ICT) developed E-PGPathsala for post graduate students. This portal covers e-contents of 723 papers from 70 subjects. E-resources include 20,000 e-texts, 19000 video contents, 3200 experts, 30,000 quizzes for post graduate students.

➢ **National Career Service Portal:** Ministry of Labour and Employment and Directorate General of Employment developed National Career Services Portal on 2015 with an aim to help job seekers, employers, candidates seeking training and guidance and agencies providing training, guidance and counseling. This portal linked with all state employment and exchanges, job searching through various keywords matching search to the job seekers. More than 1 crore job seekers, 57715 employers registered in this portal.

➢ **National Knowledge Network:** National Informatics Centre developed the National Knowledge Network (NKN) project. This project is aimed to build a strong Indian network for high capacity and innovative research in multidisciplinary and require substantial communication and computational power. National Knowledge Network (NKN) project connects all universities, research institutions, libraries, laboratories, health care institutions, and agriculture institutions. This network is very importance in the fields of nuclear, space and defence research.

➢ **Sugamaya Pustakalya:** National Institute for the Empowered Persons with Visual Disabilities, Tata Consultancy Services and Daisy Indian Forum jointly developed the portal of providing e-contents in various formats and different languages to visually impairment students. Totally 6,

72,467 books uploaded by Daisy forum of India member libraries and interlinked with all libraries through this portal.

➢ **Swayam:** Ministry of Education, Government of India launched the SWAYAM portal of self learning online courses under the higher education agencies in India namely All India Council for Technical Education (AICTE), National Programme on Technology Enhanced Learning (NPTEL), University Grants Commission (UGC), Consortium for Educational Communication (CEC) and etc.

➢ **UMANG Mobile Application:** Unified Mobile Application for New-Age Governance (UMANG) was launched by Ministry of Electronics and Information Technology under the division of National E-Governance Division. This application covered 1187 services under 158 departments in state and central through one platform. This application also covers the fields of Women and Child, Education, Pensioner, Farmer and Youth. This application can be easily downloaded from play store.

➢ **Women Scientist Scheme:** Ministry of Science and Technology and Department of Science and Technology developed the scheme for promoting women young professionals namely Women Scientist Schemelinked with UMANG application. Candidates can apply the schemes and track the status of their application through this application.

➢ **Central Board of Secondary Education (CBSE):** UMANG application provides CBSE school locator, examination centre locator for SSLC and Higher Secondary school students across the country.

➢ **DBT-Junior Fellowship:** Ministry of Science and Technology and Department of Science and Technology provide the junior fellowship scheme to the scholars in the field of science and technology. This application provides users to check their status of selection and sanction of fellowship to this scheme.

➢ **Department of Youth Affairs:** Department of Youth Affairs provides various schemes to the youths and sport persons namely Apply for Youth Corps (NYKS), Academic, Training and Capacity Programme (RGNIYD), Application for Award of Scholarship under NYKS (RGNIYD), Application for Youth Hostels. Youths can verify and track the status of their application.

➢ **E-Pathshala**: National Council for Educational Research and Training (NCERT) developed e-resources portal for students, teachers and parents. This portal includes digital textbooks, supplementary books, audios, videos, interactive, images, maps and question banks for students and teachers. This portal also provides teaching instructions, source books, expected learning outcomes, access e-periodicals, policy documents, report of committee meetings and curricular resources for teachers and educators.

➢ **ICMR-Short Term Studentship Programme:** ICMR introduced the short term studentship programmefor promoting aptitude and research among MBBS and BDS students. It is easy to apply, track the status of application and selection list through this UMNAG application.

➢ **DigiSevak:** Digital India Volunteer Management System for interested citizens to help the government for tasks, polls, survey, social activity, task progress update, peer review in various societal development activities. Volunteers can register and join through this UMANG application and also get rewards from the government.

➢ **DST-Inspire Scheme:** Ministry of Science and Technology and Department of Science and Technology developed the scheme for innovation programme in science and technology namely Innovation in Science Pursuit for Inspired Research (INSPIRE) to identify the talented youths for building and expanding the science and technology system, research and development. DST-INSPIRE scheme linked with UMANG application helps to know the application status of the candidates applying for the scheme.

➢ **Inspire Awards-Manak:** The INSPIRE scheme also introduced the MANAK scheme (Million Minds Augmenting National Aspirations and Knowledge) jointly with National Innovation Foundation (NIF) with the aim to motivate the school students from 6th standard to 10th standard by identifying the creative and innovative ideas and thinking among children. This scheme also linked with UMANG and the students can be benefitted through the track status regarding their selection and disbursal of scholarship.

➢ **Kendriya Vidayalaya Sangathan:** Kendriya Vidyalaya Sangathan portal linked with UMANG application. This application was very useful to find out the location of KVS schools across the country and also identified the status of their admission application.

➢ **National Scholarship Portal (NSP):** Ministry of Electronics and Information Technology developed National Scholarship Portal (NSP) for students from schools to universities. This portal provides all types of scholarship application, updating and submission, verification, disbursal and end beneficiary through online. This platform is one portal which brings all the scholarship schemes under one umbrella for the benefit students' community.

➢ **National Digital Library (NDL):** National Digital Library application was developed and maintained by Indian Institute of Technology, Kharagpur. This application is the top most provider of e-content in the country and interlinked the various institutional digital repositories of Indian educational and research institutions through a single platform. This application also linked with UMNAG.

➢ **Digilocker:** Digilocker is a secure cloud based platform for the storage, sharing and verification of all documents and certificates. Digilocker is also linked with UMANG application and so the students can upload their testimonials in safe and secure way.

Conclusion

This paper concludes that Digital India Project applications in education ascertained higher impacts on social, economic, financial and educational activities. Number of applications such as e-scholarship, Digilocker, SWAYAM are very popularized in our country, which contributed much for the growth of digital literacy among students, youths and job seekers.

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