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RESEARCH ARTICLE

DIGILOCKER (DIGITAL LOCKER – A BETTER INDIA FOR TOMORROW).

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Abstract

Digital Technologies which include Cloud Computing and Mobile Applications have emerged as catalysts for rapid economic growth and citizen empowerment across the globe. Digital technologies are being increasingly used by us in everyday lives from retail stores to government offices. They help us to connect with each other and also to share information on issues and concerns faced by us. Digital technologies is a platform where we can work on many fields and one such field is Digital locker. Digital Locker is one of the ambitious aspects of Digital India Programme. Digi locker is a system which secures the insecurities regarding losing the crucial data. Thus this paper takes an overview about what is all about Digital India with its nine pillars. Further this paper explain Digilocker i.e. digital locker concept with features, objectives of digital locker, analysis of the problem faced by the people & creating a Digilocker Account with example and application of e-documents in everyday lives.

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Introduction:-

Digital India is an initiative of govt of India to integrate the govt department and the people of India. It aims is to ensuring the govt services are made available to citizen electronically by reducing paper work load. The initiative also includes plan to connect rural areas with high-speed internet networks, with the motive that digital technologies should spread across the country. The digital India initiative will create a two way platform both for the service provider and consumers stand to benefits. The scheme is monitored and controlled by the Digital India Advisory group which is chaired by the Ministry of Communications and IT. This initiative is under the inter ministerial department where all ministries and departments shall offer their own services for the public Healthcare, Education system, Judicial services etc. This project is one among the top priority projects of the Hon. Prime Minister Shri. Narendra Modi Administration. Digital India is a Programme is to prepare India for a knowledge future and the focus is on being transformative – to realize IT as an integral part and the focus is on making technology central to enabling future change. It is coordinated by Department of Electronics and Information Technology (DietY), implemented by the entire govt.

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Digital India

A programme to transform India into a digitally empowered society and knowledge economy



Nine pillars of Digital India :

Broadband Highways 2. Universal Access to phone 3. Public internet access program 4. E-governance- reforming government through technology 5. E-kranti – electronic delivery of services 6. Information for all 7. Digi locker 8. It for jobs 9. Early harvest programme

Digital locker/ digi locker- Its conceptual View

In this ultramodern era, nothing is impossible now. People are becoming technological boon and getting more involved in the digital world. In today's world, we can save our data online which is not a new thing. But, the **Digilocker** is the one which is out of the box thing and very much useful for all Indian residents having the Aadhaar card with them.

Digital locker is one of the key initiative under the digital India programme. The innovation of Department of Communications and Information Technology(DietY) has come to the fore while launching the DigiLocker system. DigiLocker, a national Digital Locker system which is an Aadhaar-linked facility for the citizens of India. Digilocker has come into existence to provide a secure dedicated personal electronic storage for storing the documents of residents Indian citizens. The storage space (maximum 10 MB) is linked to the Aadhaar number of the user. The

space can be utilized for storing personal documents like University certificates, PAN cards, voter id cards, driving license, BPL card, etc. There is also an associated facility for e-signing the documents. The service is intended to minimize the use of physical documents and to provide authenticity of the e-documents. It also provide secure access to Govt. issued documents. It is also aim to reduce administrative expenses of Govt. departments and agencies and to make it easy for the residents to receive services. With the help of this initiative, the sharing of the e-documents will be done through registered repositories thereby ensuring the authenticity of the documents online. Residents can also upload their own electronic documents and digitally sign them using the e-sign facility. These digitally signed documents can be shared with Government organizations or other entities.

The initiative is implement to create 'digital empowerment' among the masses. The digital storage system acts as a helping hand in providing data to government agencies, departments, and applying for different jobs

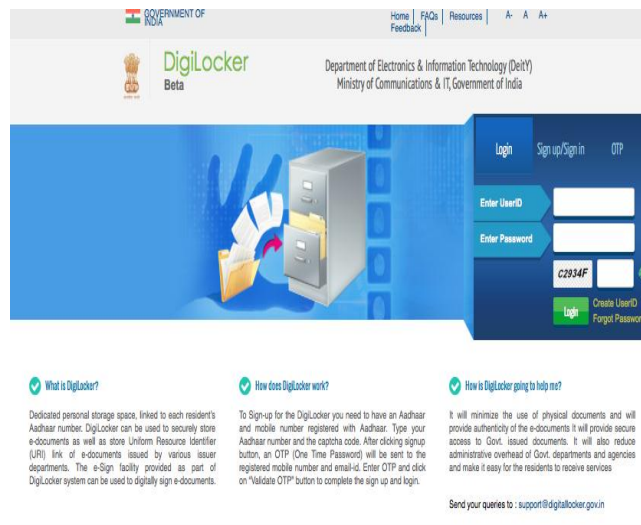


Fig 1:-View of DigiLocker Portal

The numerous physical documents becomes a huge administrative burden. The DigiLocker system shall help in reducing the burden for both the department and the citizen. The issue of providing multiple copies for a job can be resolved by this innovative move. The e-locker save our income certificate, birth certificate, education certificate, etc. which can be made easily accessible by the government dept one seeks to apply. One can also e-share their documents with any registered agency or department. The access to government issued documents through this portal and mobile application will be hindrance-free.

For instance, when applying for a driving license, the Regional Transport Office can issue the document and thus, upload it in the designated repository. The document will then be pushed to the concerned resident's Aadhaar card number. In this case, RTO is called the 'issuer'

What are the key benefits of digital locker?

Digital locker always provide secure access to the govt issued documents. It secures the insecurities regarding losing important documents. It uses authenticity services provided by Aadhaar. Digital locker will minimise the burden of physical documents by use of electronic documents. Those documents are very much easy to validate the authenticity as they are directly issued by the registered issuers, like RTO. Digital Locker will reduce the administrative overhead of Government departments and agencies created due to paper work. It will also make it easy for the residents to receive services by saving time and effort as their documents will now be available anytime, anywhere and can be shared electronically.

Features of digital locker

PDF, JPG, JPEG, PNG and GIF are types of files that can be upload in the digital locker.

URI or Uniform Resource Indicator is an authentication of your loaded documents from respective department or agencies. For example Income Tax Department will verify your



PAN. After verification, we can see the URL not the image. We just need to click and share with the agency of our choice.

1. We can access it anywhere and any point of time.
2. We can download our e-Aadhaar also from the same portal.
3. Digital locker is linked with our Aadhaar card number.
4. Currently we can store upto 10 MB of space but later on it can be increase to 1GB.

Objectives of digital locker

Some of the key objectives of digital locker system are –

1. Enabling digital empowerment for the residents of India by providing them with the digital locker in the cloud.
2. Benefitted the residents with facility of e-signing the documents and make available electronically or online in the portal minimizing the use of physical documents.
3. Ensure authenticity of e-documents and therefore eliminate the usage of fake documents.
4. Secure access to the govt issued documents through a web portal and mobile application for residents.
5. It reduces the administrative overheads of the govt departments and agencies and make it easy for the citizens to receive services.
6. Anytime, anywhere can be accessible the documents by the citizens.
7. It is an open and interoperable standard based architecture to support a well structure standard format of the documents for easy sharing of the documents across departments and agencies.
8. Ensure privacy and authorised access to resident's data.

How does digilocker works ? how to create an account in digilocker ?

Digilocker sign up/ login section

Step1:-

first we need to visit the govt authorised portal DigitalLocker.gov.in , from where we will be directed to the home page.



Fig 1:-Digital Locker India

Step2:-then we should sign up or login in the respective section.



Fig 2:-Digitallockergov.in

Step3:-

In the following step we observe that the portal has two blocks, ie, “please enter UID” where we need to enter the Aadhaar number and the second block “Enter the character”.



Fig 3:-Digilock-India/ signup with UID and Character

Step4:-

Once the Aadhaar number and the character has been entered , a OTP will be generate to that mobile number which has been used during the Aadhaar registration.

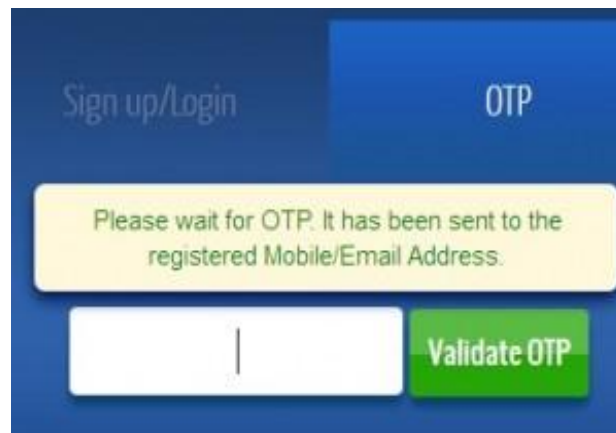


Fig 4:-Digilocker OTP

1. Once we get the OTP we need to enter the six digit OTP in the space provided and then finally need to click on the validate option to move further in the process.
2. After completing this much process of the digital locker , now we need to upload our e-documents into the Digi locker.
3. The uploading of the files is done in the “My Certificate” section which will be visible only after validation of OTP which is shown in the previous step.
4. The explanation of “My Certificate” Section.
5. DigiLocker My Certificate



Fig 5:-DigitalLocker-India-“My Certificate” Section

As it is already mention, this section help us in uploading the e-documents. The steps of uploading is explained below:-

Step1:-

1. In the following page we will have Three text field, which are, Select Document, Upload Document and Description respectively.
2. Select document- On clicking the select documents we will have more than 17 option to upload. From those option we need to select the appropriate document that we need to store in the locker. For example: SSC (10th) certificate, HSC (12th) certificate, Voter ID, Ration Card, PAN Card, Passport or any other documents.

Let us understand this form the figure given below.

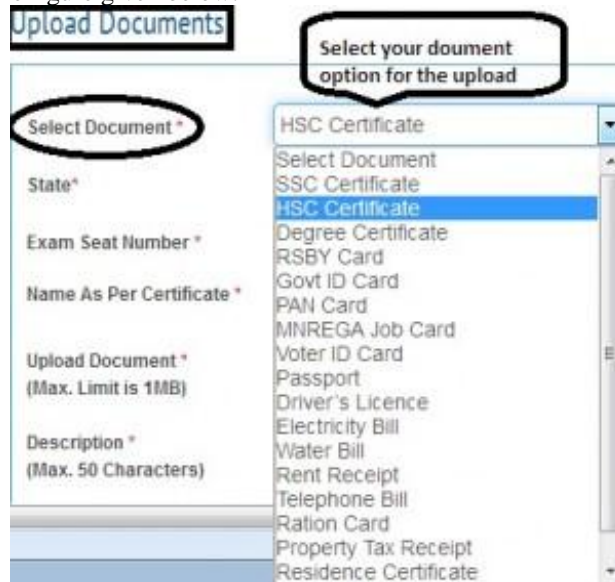


Fig 6:-DigiLocker-Select Document

In the figure it is shown that I have selected the HSC Certificate from the select document which I need to upload.

Upload Document- ones we have selected the document from the select option, we need to move forward to the upload section. In the upload section we have an option called “Browse”. We need to browse the document from the system that we need to upload and that file can be in form of PDF, JPG, JPEG, PNG, GIF. Maximum size is 1MB.

Fig 7:-DigiLocker- Upload Document

Description- here we are able to describe our document to store. The description is limited to 50 characters. The whole process will complete once we click on the “upload” button. By this we can easily upload and store our documents in the digi locker.

Components of DigiLocker

1. Repository: it is known for the collection of e-documents which are upload by the various issuer (agencies or Govt Org who issue the documents) in a standard format.
2. Access gateway: it basically provides a secure online mechanism for the requester to access the user's documents from the repositories in real time, by using URI (Unique Recourses Indicator). URI is the link where the e-document is upload by the issuer so that the gateway will identify the address where the documents is stored and fetch the documents from the repositories.

Stakeholders of Digital Locker:

1. Issuer: those are the agencies or the Govt Organisation who issue the user's particular documents. Like Election Commission for the Voter ID card, state govt issue the driving license and so on.
2. Requester: these are the agencies or the organisation who request for the documents from the users or us. For example, institute, college or universities demand for our earlier documents or the certificates which issue by the previous issuer.
3. Resident: it is basically we or the user , whose documents are issued by the name on it.

Real life application of e-documents in digilocker:

1. In today's date we have benefit of driving with soft copy , keeping our license in DigiLocker.
2. DigiLocker as we all know by now is a national digital locker system for DL nad RCs.
3. It was recently launched on September 7, 2016.
4. It help us in spot verification of DLs and RCs directly by the user mobile phone.

Future Scope:

1. The verifying official need to have a mobile application with a better internet connectivity to check the authenticity of the soft documents.
2. The IT ministry will soon going to launch this mobile application for the citizen benefit.
3. The two leading states – Delhi and Telangana – traffic police could be the leaders in issuing e-challans , as the source official said and in case of any violation incurred , the enforcement personal can feed the penalty points using that mobile application which is going to launch soon.

Summary

With this mass movement let us realise the hope and aspiration of the people and take India to a great extend. This can only happen by our honourable Prime Minister Shri Narendra Modi's Digital technology initiative under Digital India. The objectives of Digital India is to come out with innovative ideas and practical solution to realise Narendra Modi's vision for India. Govt of India envision of transforming our nation and creating opportunity for the citizen of our country, by harnessing Digital technologies. And Digital locker is one of the ambitious aspect of making the vision of Digital India a reality

Reference:-

1. Vaibhav Vaijawade, Nandkishor Khelkar , Dhiraj Thakare- Student, Department of Computer Science & Egg., J.D.I.E.T. Yavatmal , Student, Department of Computer Science & Egg., J.D.I.E.T. Yavatmal , , Student, Department of Computer Science & Egg., J.D.I.E.T. Yavatmal "Review On Cloud Based Digital Locker" International Journal of Reserarch in Science and Technology . Special issue: techno Xtreme 16.
2. Dr. MohitePratapsinhVitthalrao, Ms. Joshi MugdhaMukund, Mr. PetarePurushottamArviDIGILOCKER (DIGITAL LOCKER- AMBITIOUS ASPECT OF DIGITAL INDIA PROGRAMME.), GE- International Journal of Management Research (GE-IJMR), VOLUME - 3, ISSUE- 6, June- 2015
3. <https://digitallocker.gov.in/>
4. https://Aadhar Linked Digital Locker _Business Standard News.htm
5. <https://timesofindia.com/>.