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Department of information Technology

“Data Transfer Using Virtual Printer”

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UNDER THE GUIDANCE OF
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CONTENT

- Abstract
- Introduction
- Literature survey
- Problem Statement
- Proposed System
- Objective
- Purpose
- System Requirement
- Screenshot of Implementation
- Future scope
- Reference
- Conclusion

Abstract

- The project aims is to share Securely encrypted file over cloud server using virtual printer driver And We can access that data/file anywhere
- User will be able to prints a document through the virtual printer from any application.
- The virtual printer intercepts the print job and saves each printed page as EMF file.
The virtual printer converts EMF files to Image output formats.
- Data has been extracted from Image file into text or other human readable file format.
- Data/files are available to access from anywhere.

Introduction

In our project that is in Data Transfer Using Virtual Printer Driver we are going to implement application for to share Securely encrypted file over cloud server using virtual printer driver And We can access that data/file anywhere

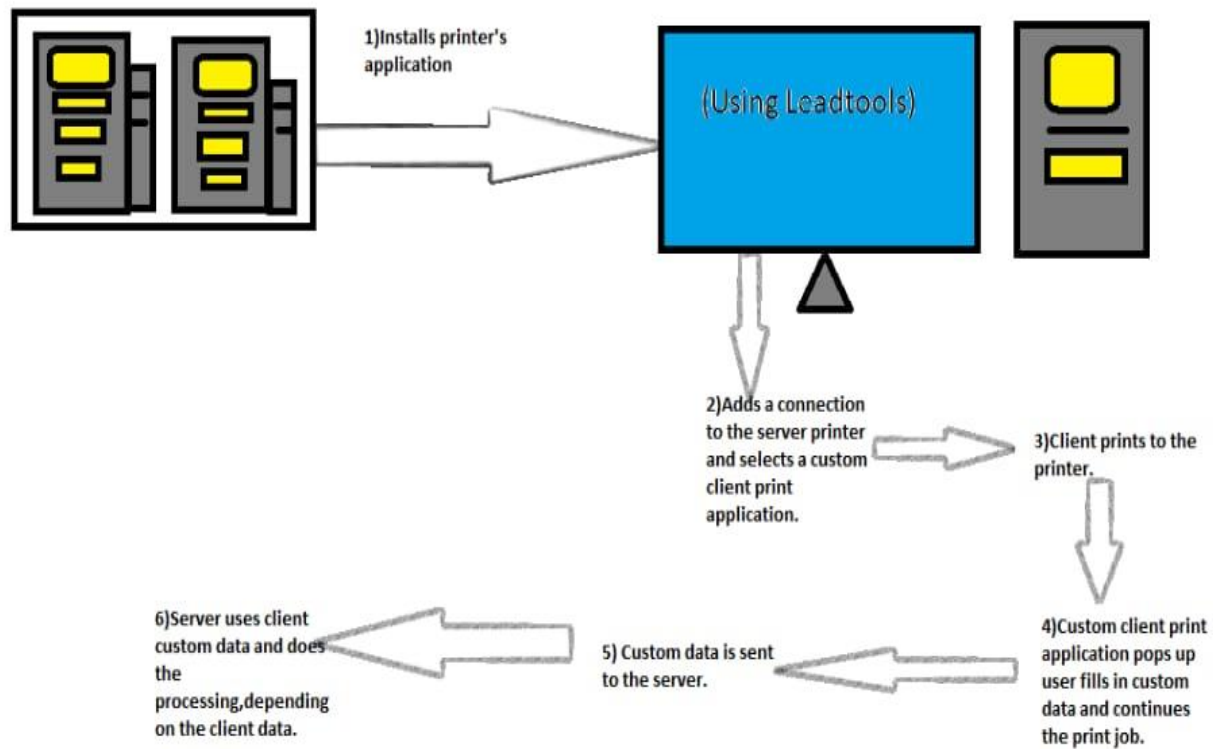
Literature survey

Sr NO	Name of Paper	Description	Working
1	Control of distributed computer using virtual printer(2007)	Author :Fumihiko Iwata, Nagano-ken (JP); Masashi Asakawa, Nagano-ken (JP); Akihiro Sato, Nagano-ken (JP); Akira Mochida, Nagano-ken (JP); Koki Togashi, Nagano-ken (JP)	The application program converts print data into data suitable for the virtual printer based on the performance information and transmits the converted print data to the virtual printer driver

Problem Statement

- 1) Time consumption
- 2) user interface

Proposed System



Objective

- In computing a virtual printer is a simulated device whose user interface and API resemble that of a printer driver, but which is not connected with a physical computer printer.
- Data will be extracted from Image file into the text or other human readable file format.
- Virtual printers are frequently used as modules in a multi-purpose editor to convert the documents into a desired format.
- With the help of virtual printers drivers data has been transferred securely from source to destination.

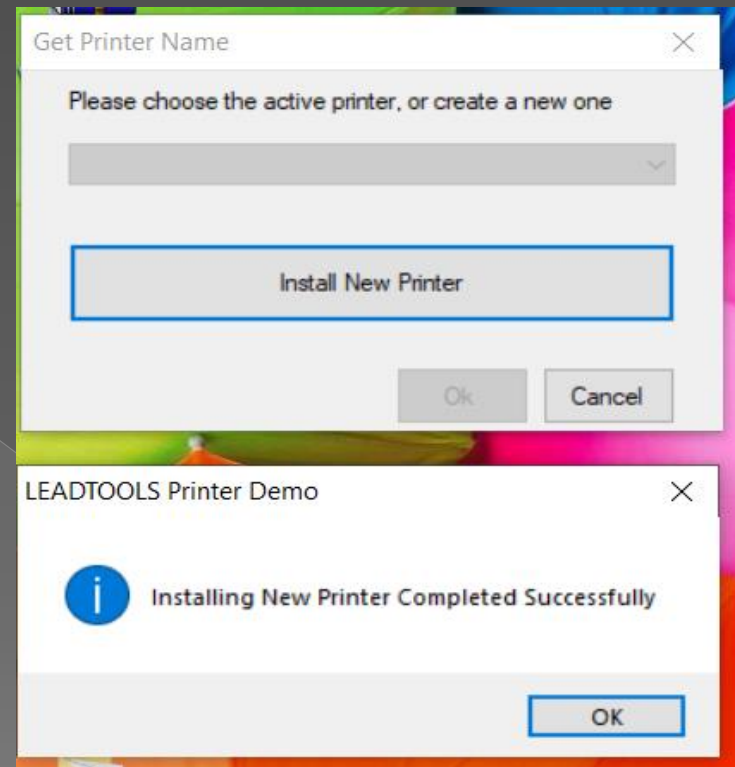
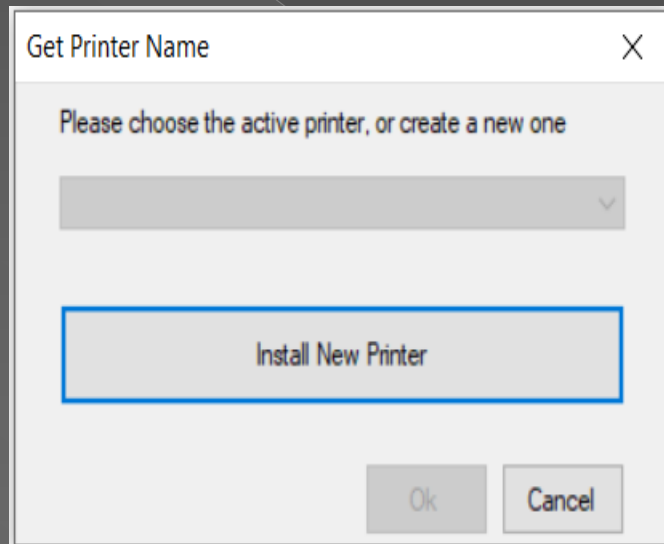
Purpose

- Virtual printer work with print drivers that are coded to send their output to other applications rather than to a physical device.
- The virtual printer can help save resources because it makes it possible to carry out tasks that would formerly have involved actual printing without wasting paper and ink And EMF file.

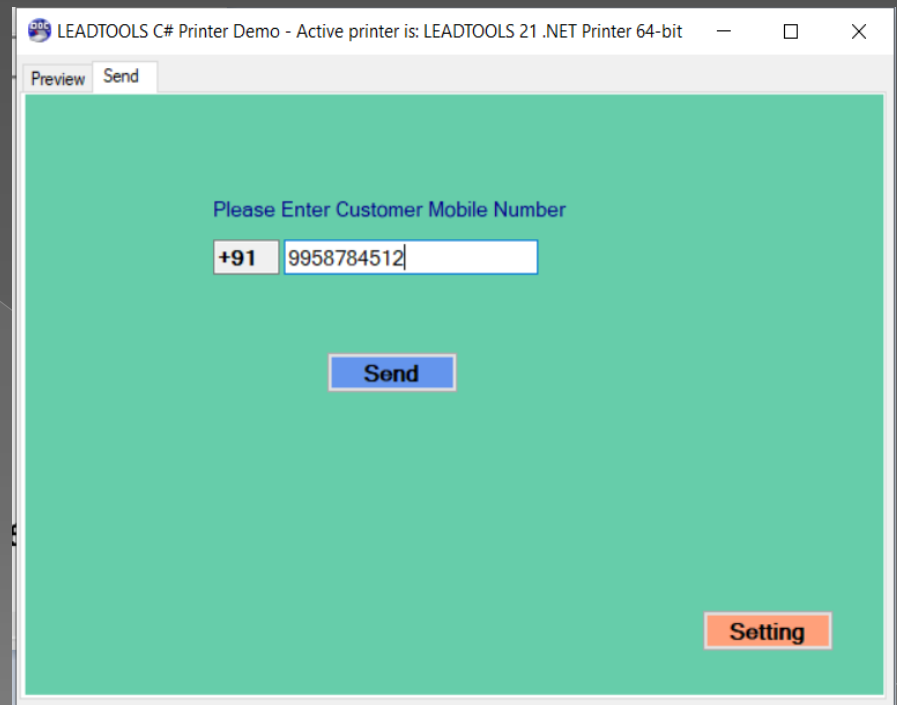
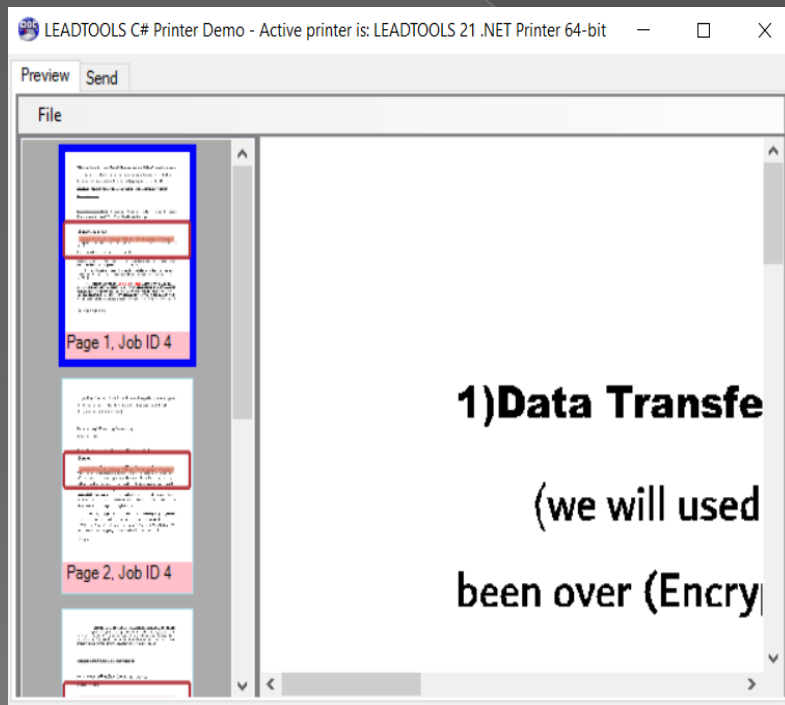
System Requirement

- Various Hardware prerequisites for the project are as follows:
- Intel processor of AMD dual core.
- 2 GB RAM.
- 500 GB Hard disk.
- Various software prerequisites are as follows:
- Windows XP,7,8,10.
- Visual Studio 17.
- SQL server 14.
- Lead tools.
- Programming languages called C# and ASP.Net.

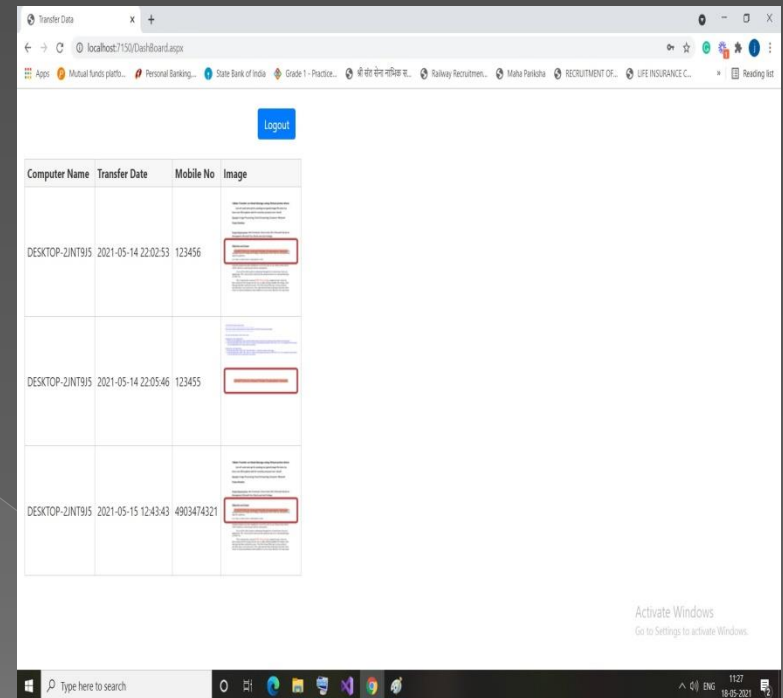
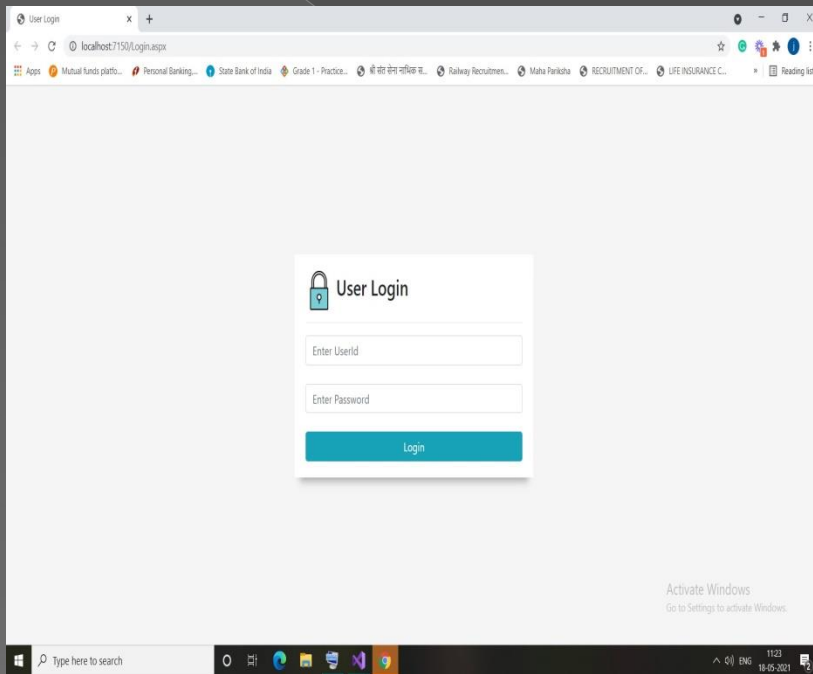
Screenshot of Implementation



Screenshot of Implementation



Screenshot of Implementation



Screenshot of Implementation

The screenshot shows a web browser window with the address bar displaying `localhost:7150/DashBoard.aspx`. The page has a "Logout" button in the top right corner. Below the button is a table with the following data:

Computer Name	Transfer Date	Mobile No	Image
DESKTOP-2JNT9J5	2021-05-14 22:02:53	123456	
DESKTOP-2JNT9J5	2021-05-14 22:05:46	123455	
DESKTOP-2JNT9J5	2021-05-15 12:43:43	4903474321	

A modal window titled "Zoomed Image" is open, displaying a document page. The document contains the following text:

1)Data Transfer on Cloud Storage using Virtual printer driver
(we will used web api for posting encrypted image file data has been over (Encryption web for security purpose) over cloud)
Domain: Image Processing, Cloud Computing, Computer Network
Project Members:

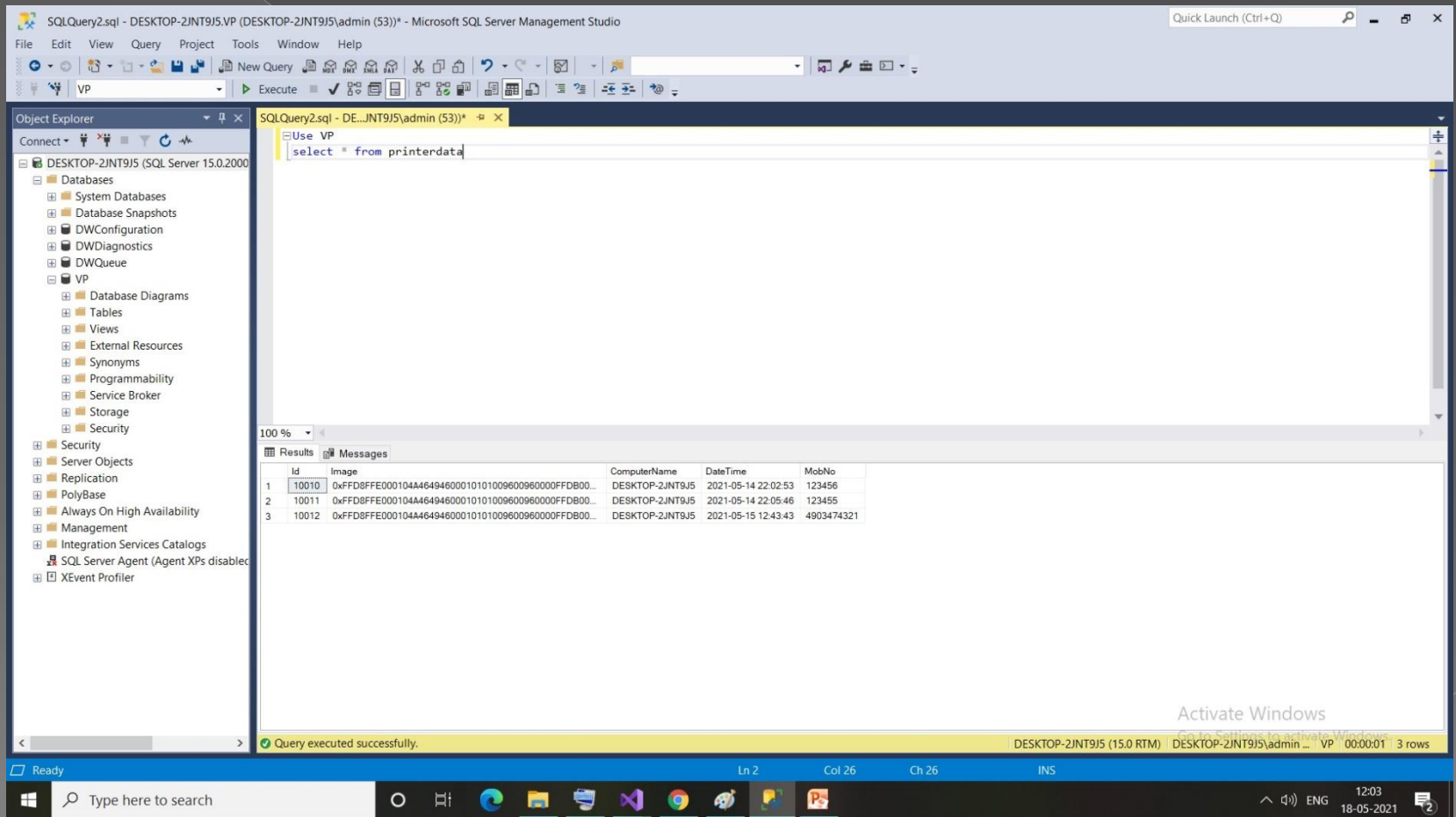
Project Requirements: .Net Framework, Visual studio 2017, Microsoft Sql Server Management, Microsoft Azur Cloud, Lead tools Package.

Objective and Scope:
LEADTOOLS Virtual Printer Evaluation Version -ly encrypts the over cloud server using virtual printer driver .And we can access that data/file anywhere
Let's have a look at how virtual printer work

windows/system and after installation, we will be able to see virtual printer driver will be shown in control panel (device and printer).
User will be able to prints a document through the virtual printer from any application. The virtual printer intercepts the print job and saves each printed page as EMF file.
The virtual printer converts EMF files to Image output formats. Data has been extracted from Image file into text or other human readable file format. after that data has been splitted into json /Xml file format Web api is being called to post that data over cloud server. Now, the data has been transferred securely from source to desired destination and available to access same data/file from anywhere.

Activate Windows
Go to Settings to activate Windows.

Screenshot of Implementation



SQLQuery2.sql - DESKTOP-2JNT9J5.VP (DESKTOP-2JNT9J5\admin (53)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Object Explorer

Connect +

DESKTOP-2JNT9J5 (SQL Server 15.0.2000)

Databases

- System Databases
- Database Snapshots
- DWConfiguration
- DWDiagnostics
- DWQueue
- VP
 - Database Diagrams
 - Tables
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
- Security
 - Server Objects
 - Replication
 - PolyBase
 - Always On High Availability
 - Management
 - Integration Services Catalogs
 - SQL Server Agent (Agent XPs disabled)
 - XEvent Profiler

SQLQuery2.sql - DE...JNT9J5\admin (53))

Use VP

```
select * from printerdata
```

100 %

Results Messages

	Id	Image	ComputerName	DateTime	MobNo
1	10010	0xFFD8FFE000104A46494600010101009600960000FFD800...	DESKTOP-2JNT9J5	2021-05-14 22:02:53	123456
2	10011	0xFFD8FFE000104A46494600010101009600960000FFD800...	DESKTOP-2JNT9J5	2021-05-14 22:05:46	123455
3	10012	0xFFD8FFE000104A46494600010101009600960000FFD800...	DESKTOP-2JNT9J5	2021-05-15 12:43:43	4903474321

Query executed successfully.

DESKTOP-2JNT9J5 (15.0 RTM) DESKTOP-2JNT9J5\admin ... VP 00:00:01 3 rows

Ready

Ln 2 Col 26 Ch 26 INS

Type here to search

ENG 12:03 18-05-2021

Future Scope

- Sending documents to a fax server
- Allowing user to control certain aspects of printing not supported natively , such as printing multiple pages per sheet without border , print letterhead, watermarks etc.
- Previewing a printed document before printing it, to save ink and paper. This functionality is also built into many GUI applications.
- This technology is also being used to allow printing from devices such as smart phone.

Reference

- Umang Rupareliya, Henali Shaha, Pragnya Kulkarni, Nirmala Baloorkar (2019). Sen- tence Completion using NLP Techniques. ISSN:2321-9653
- Christopher Meek, Christopher J.C. Burgs, Aniur Yessenalina, Qiang Liu, Geoffrey Zweig, John C. Platt(2012). Computational Approaches to Sentence Completion.
- Heewong Park, Sukhyun Cho, Jonghun Park(2018). Word RNN as a Baseline for Sentence Completion. IEEE
- N-gram language modeling tutorial Dustin Hillard and Sarah Petersen Lecture notes courtesy of Prof. Mari Ostendorf

Conclusion

The project is to objective of virtual printer is to share securely encrypted file over server using virtual printer driver and we can access that data or file from anywhere.

THANK YOU