QR Code Printing Software

User Manual

Version 1.0.5

18 November 2016

CONTENTS

QR Code Printing Software User Manual 3
1. Scope of QR Printing Software 3
2. System Requirement (Operating Systems) 3
3. Installation Steps 3
4. Steps for Using the Software 8
Appendix A: *QR Code Printing Software Specifications* 17
Glossary 18
Contact Information & Feedback 19

QR Code Printing Software User Manual

1. Scope of QR Printing Software

This software is meant for printing QR codes on prescribed stickers. Software assumes that the working QR code printer is connected to PC and is ready for printing before using the software. This user guide covers all the information required to install and use QR Printing Software

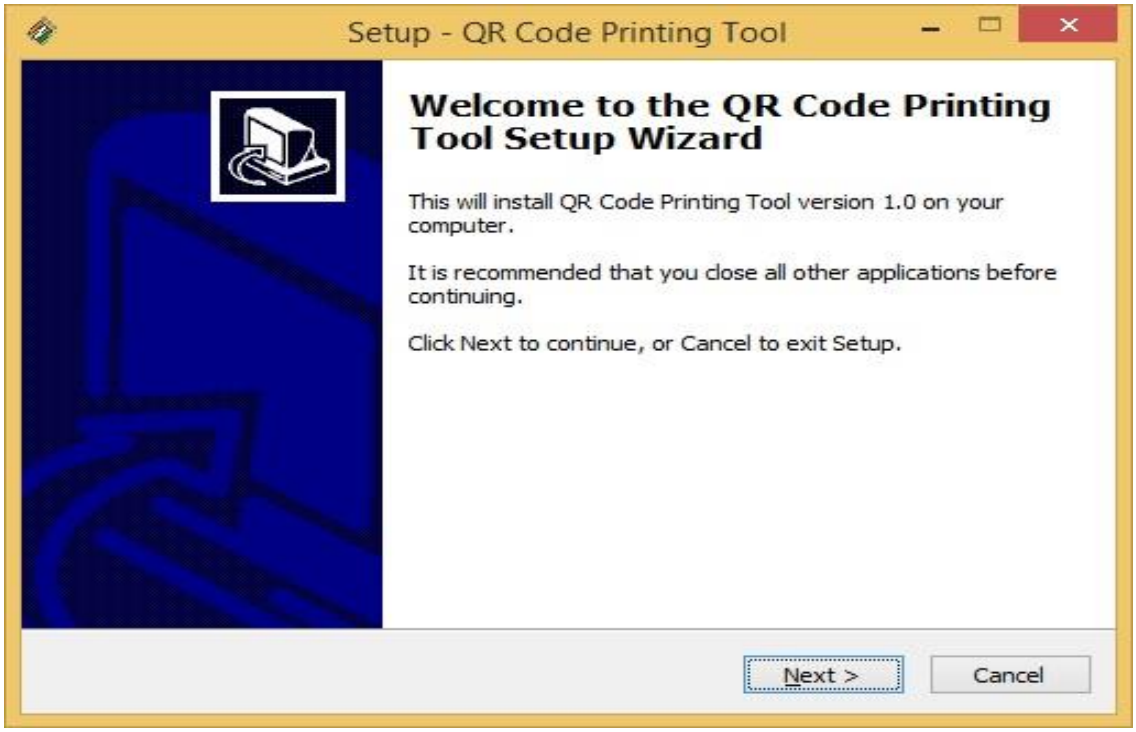
2. System Requirement (Operating Systems)

- Windows 7 (32-bit)
- Windows 7 Service Pack 1 (64-bit)
- Windows 8 (32-bit)
- Windows 8 (64-bit)
- Windows 10 (64-bit)

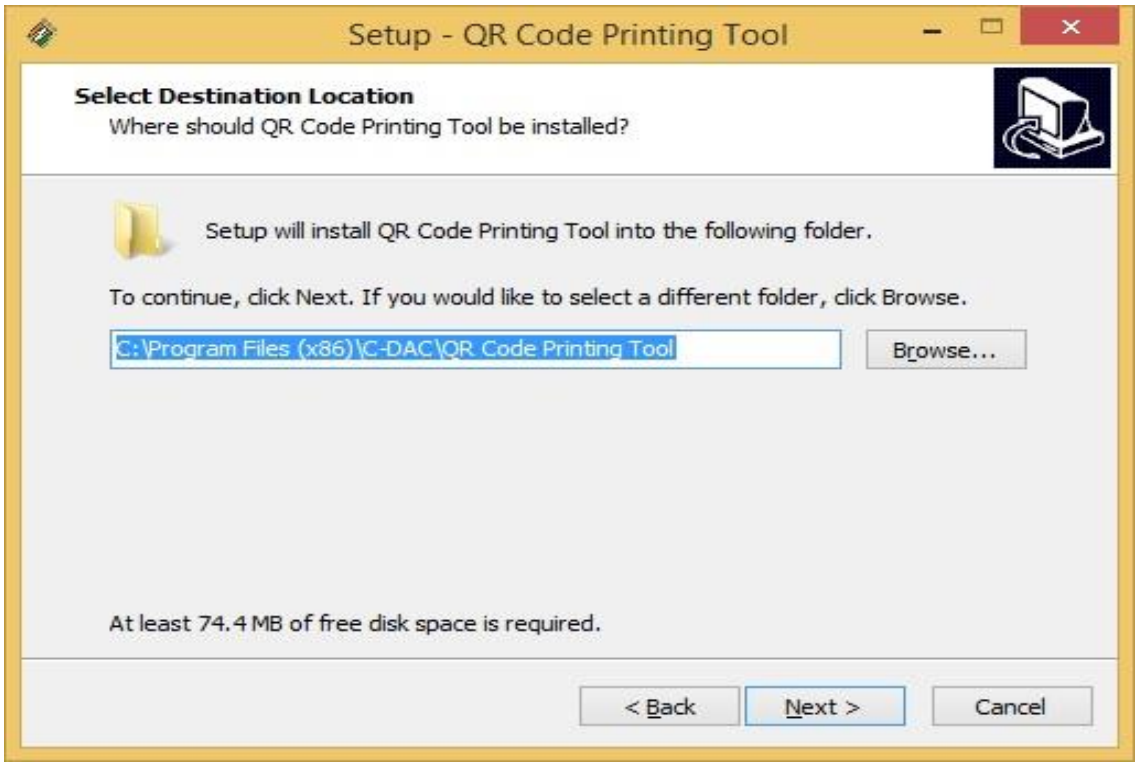
3. Installation Steps

Kindly ensure the system configuration mentioned in section 2 before installing the software.

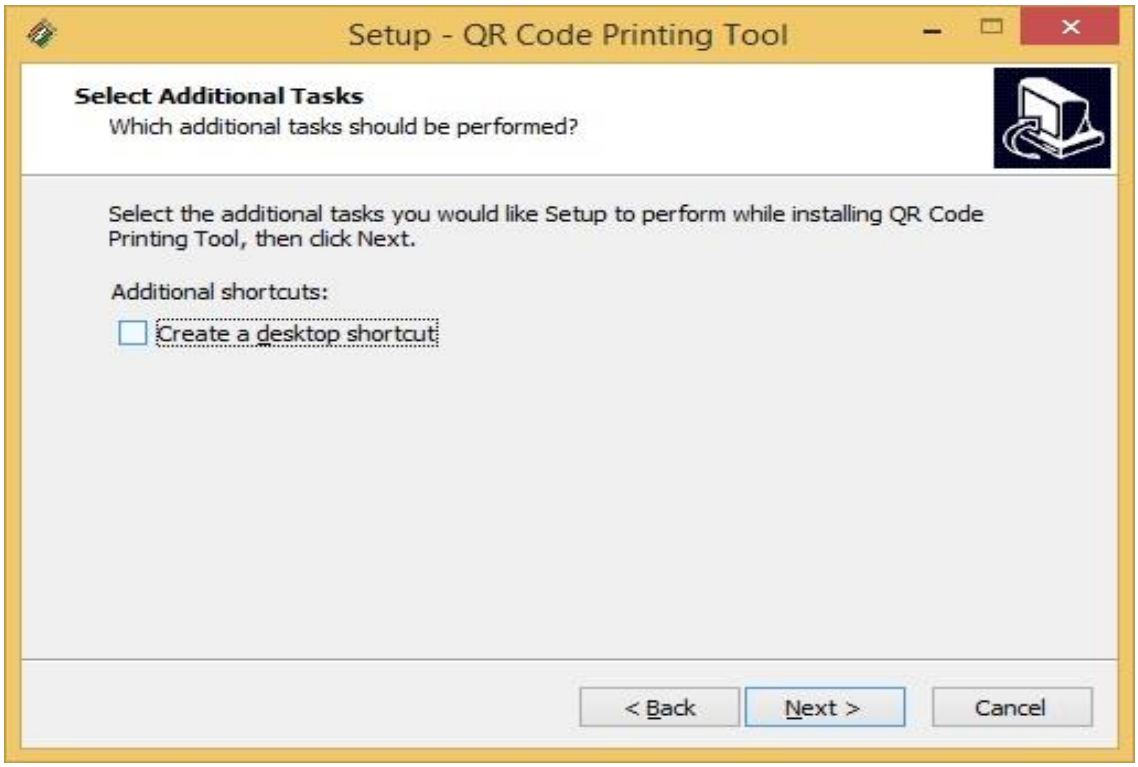
a. Click on the "QR Code Printing Tool Setup.exe" to install the software.
b. User will be prompted following screen, Click on Next button.



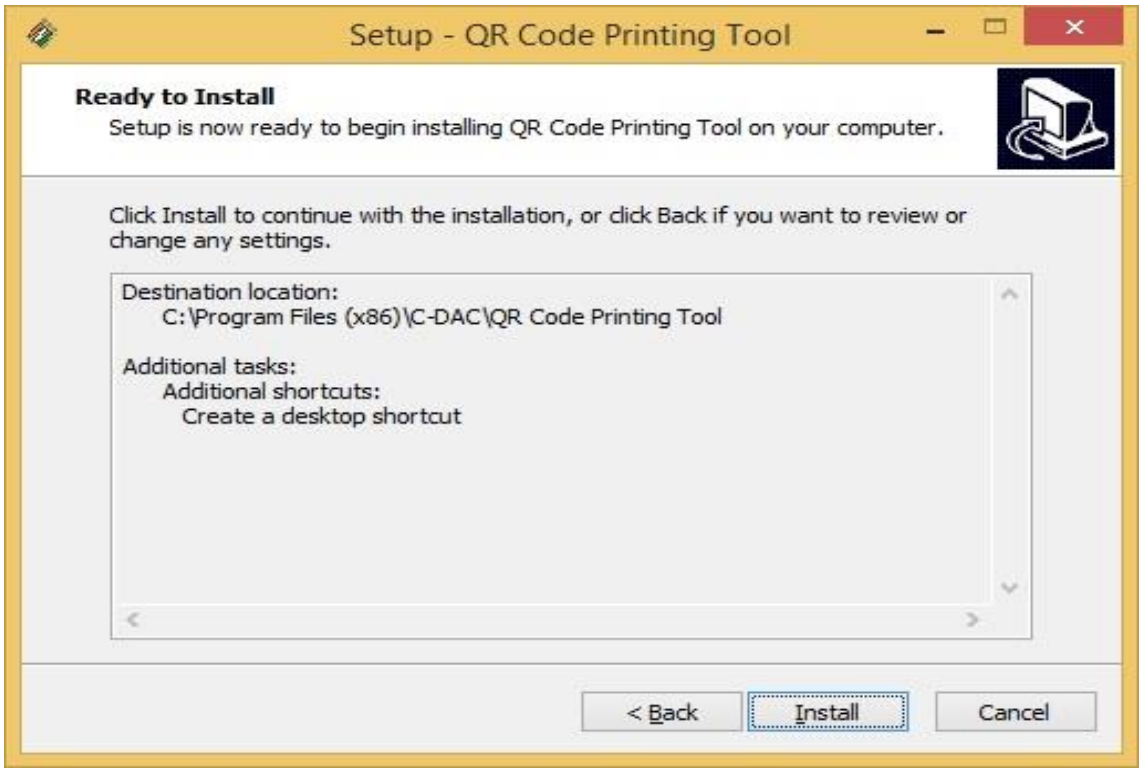
c. Select where you want to install software and click on Next button.



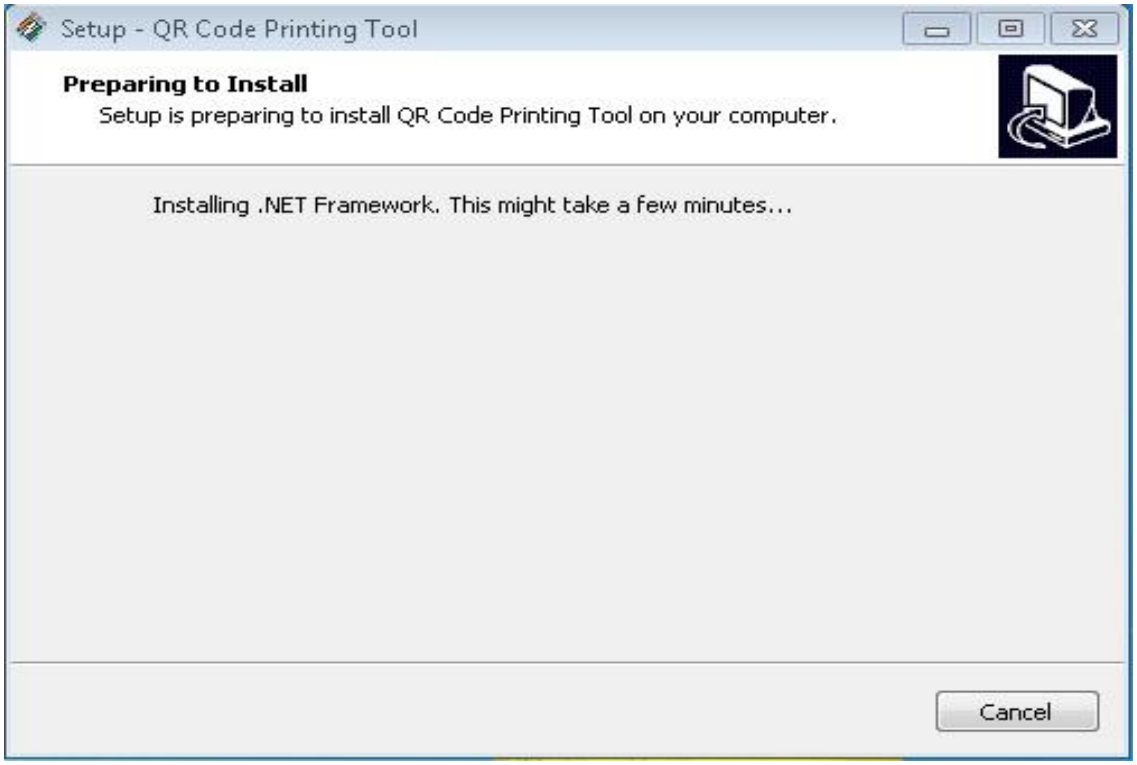
d. Click on Next button.

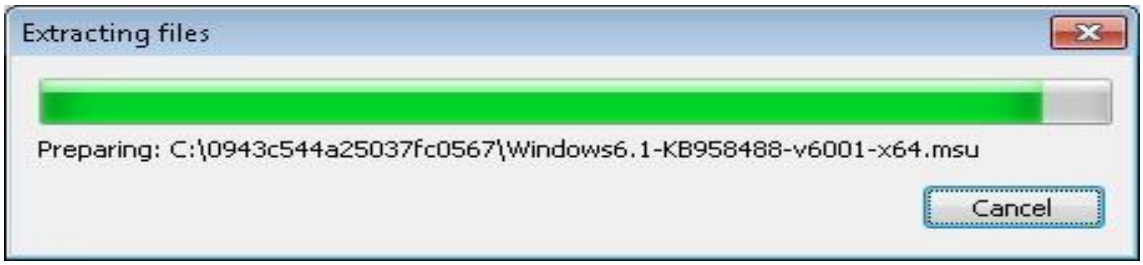


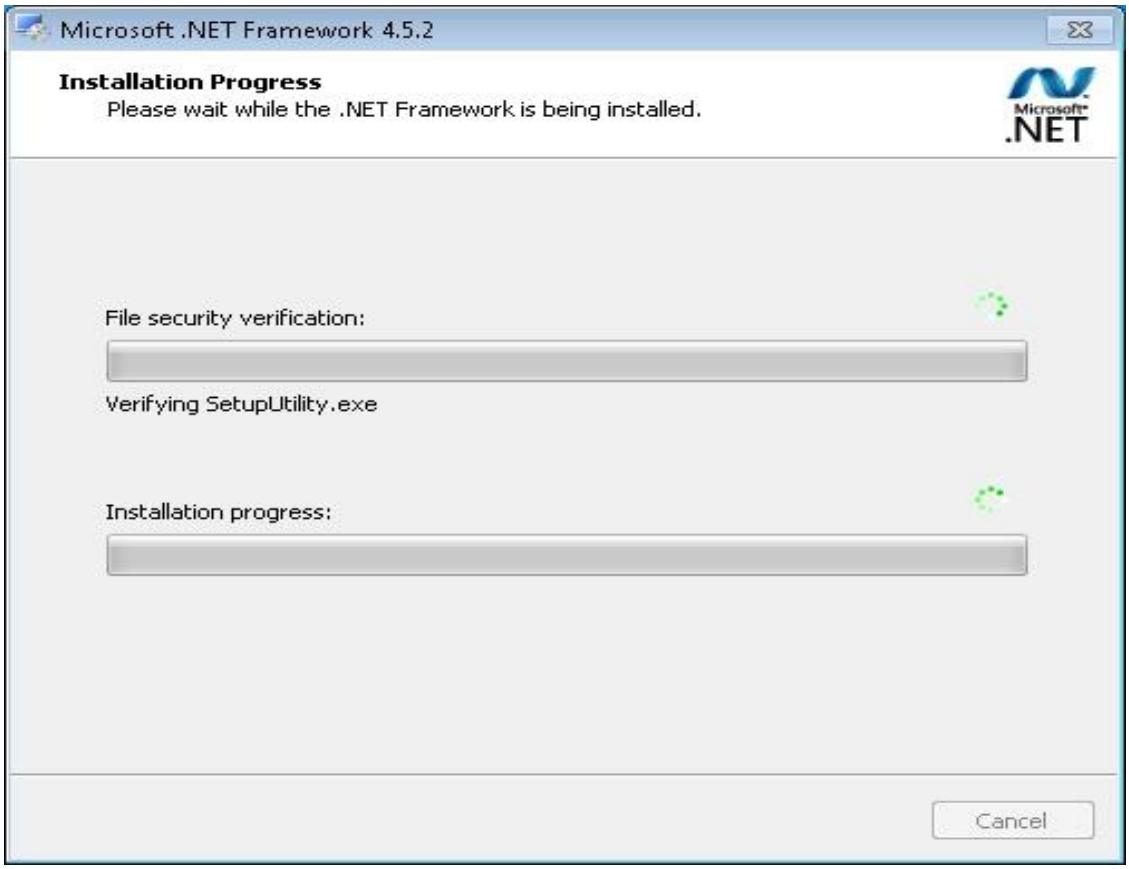
e. Click on Install button.



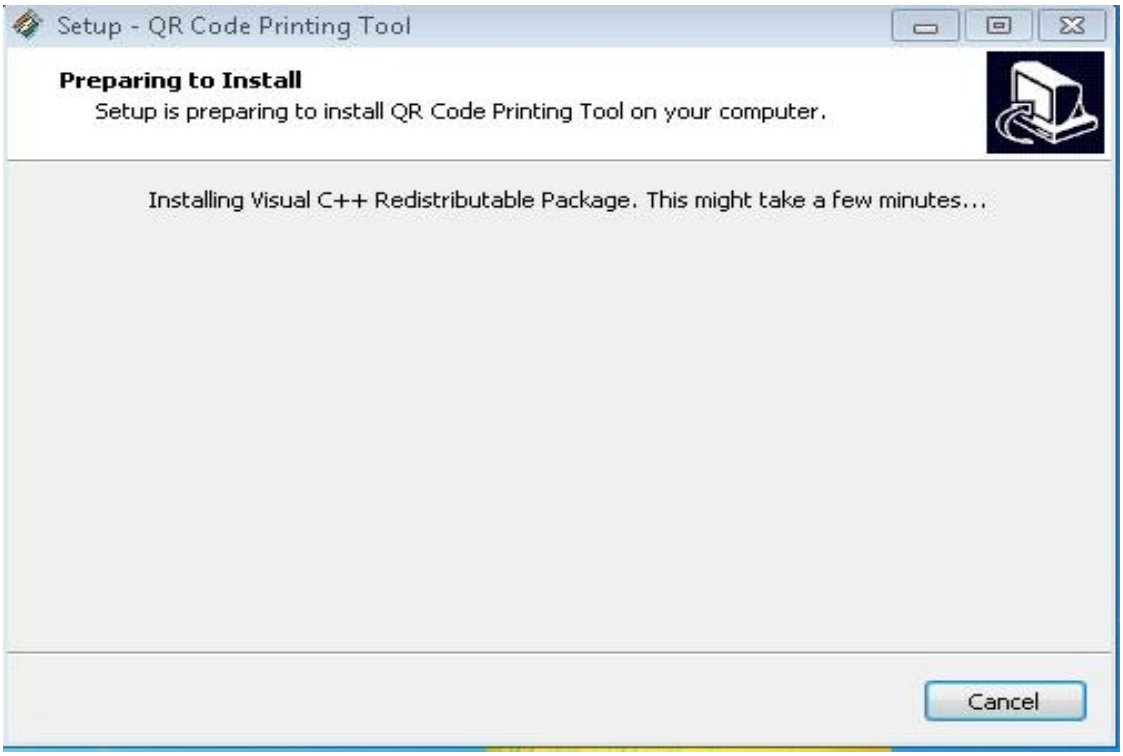
f. If Microsoft .NET framework 4.0 or above is not installed then first it will install framework. It takes time to install Microsoft .Net Framework for first time installation wait for some time.

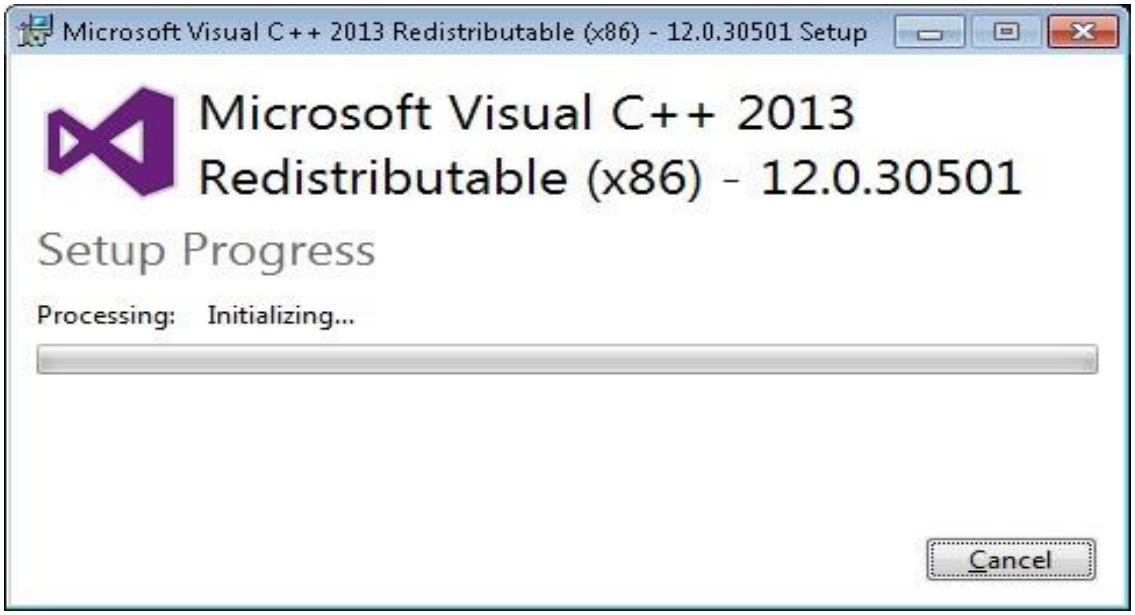




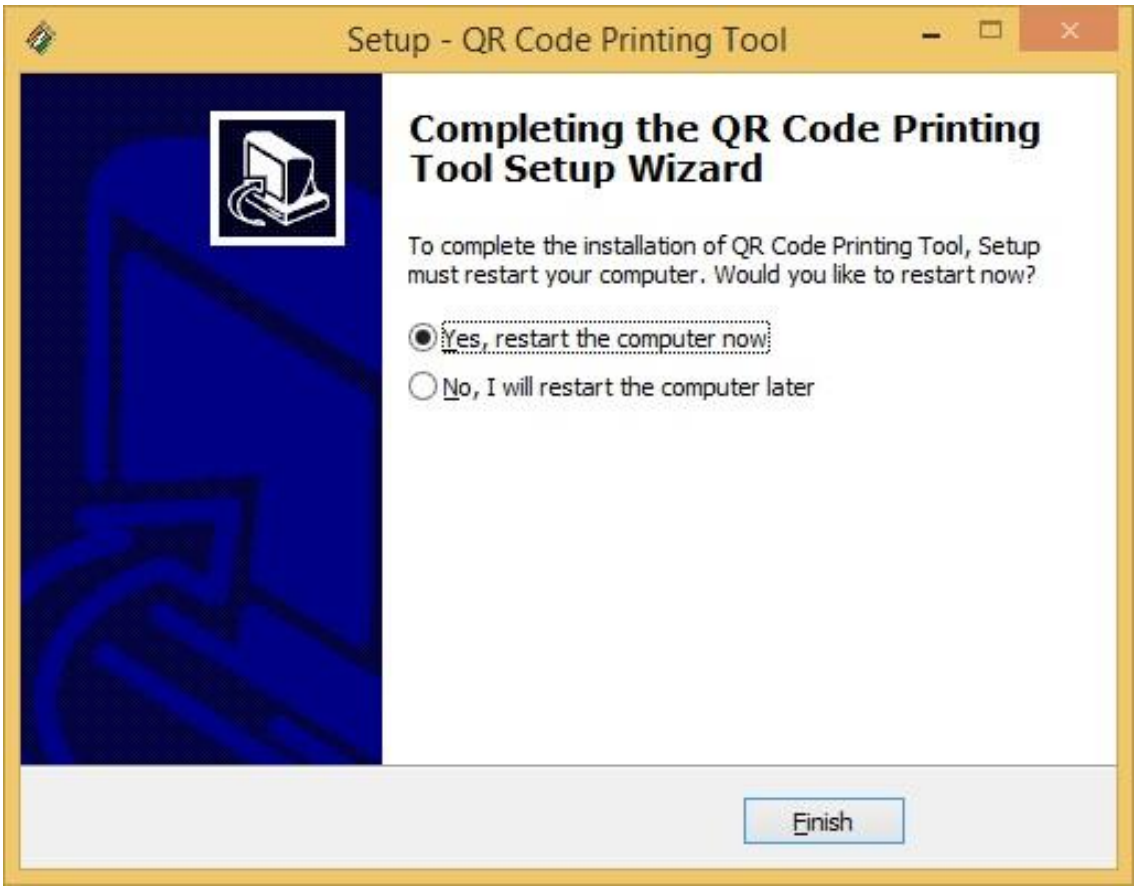


g. It automatically detects "Visual C++ Redistributable Packages for Visual Studio 2013" and if not installed then first it will install redistributable packages. It takes time to install redistributable packages for first time installation wait for some time.





h. Click on Finish button and restart your computer.



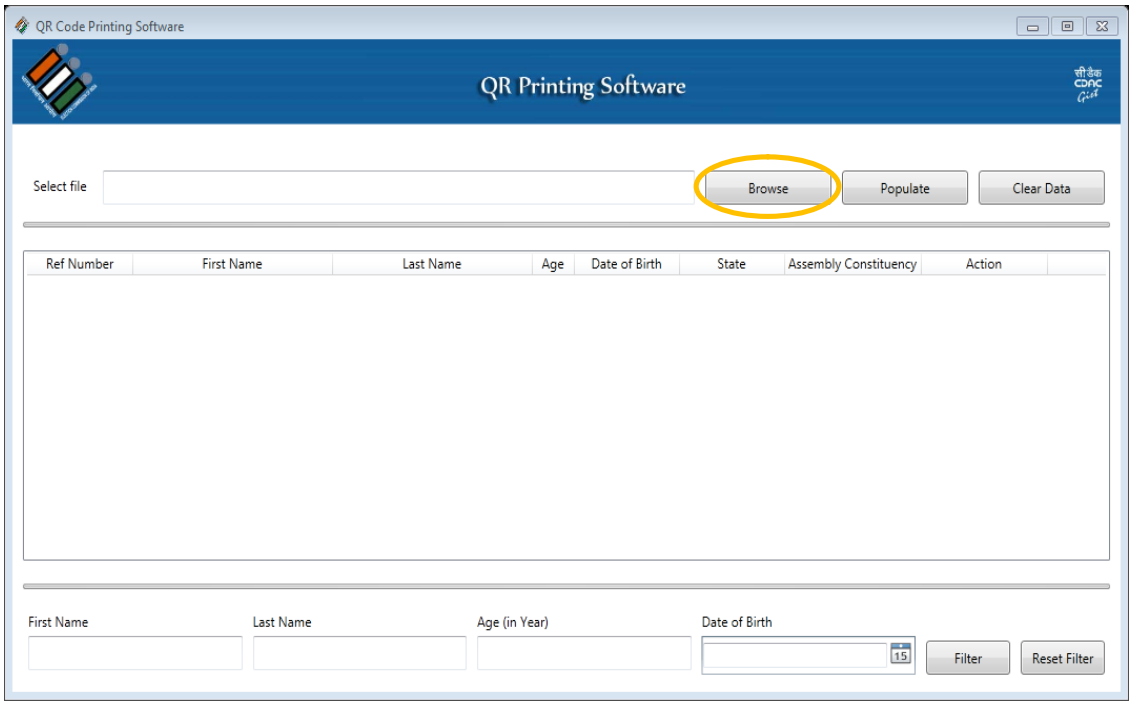
4. Steps for Using the Software

Assumptions

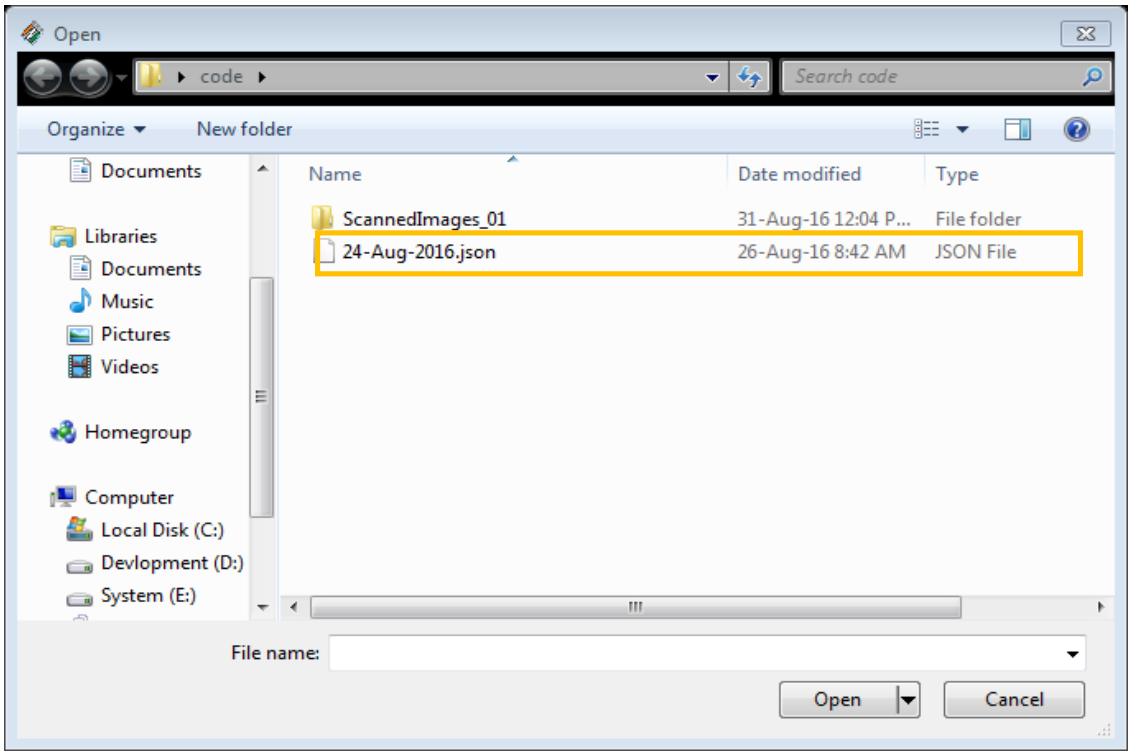
The QR Code Printer is already connected to the PC on which this software is installed. The printer is in working condition. The printer's drivers are installed properly. Printer is turned ON and ready for printing. User has the 'QR data file' generated from ERO-NET for which QR codes to be printed.

Once above assumptions are met, user can start the printing software by clicking on 'QR Code Printing Tool' icon on desktop.

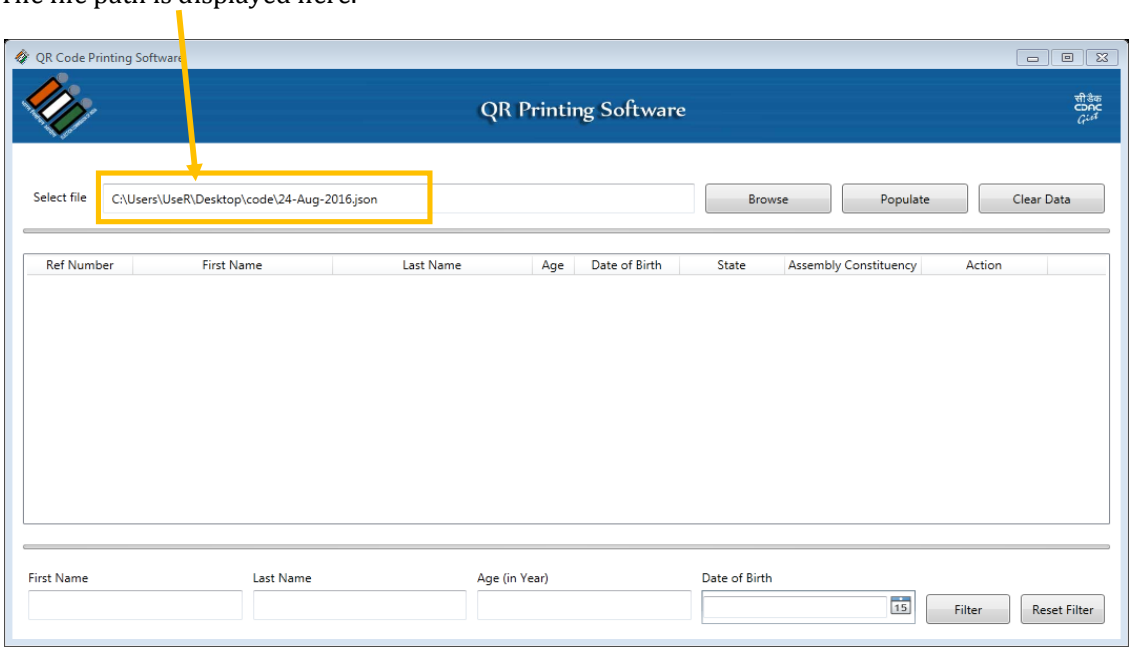
a. Click on Browse button to select the QR Data file.



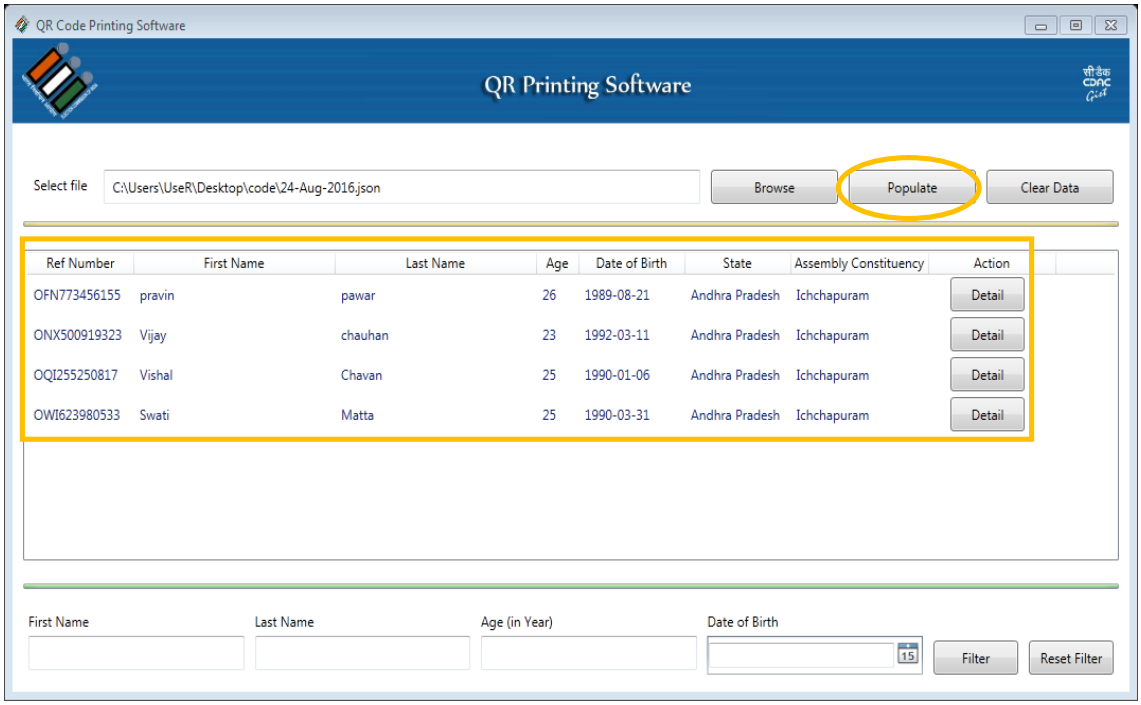
Following image shows the type of file to be selected from the folder, it is date specific file.



The file path is displayed here.



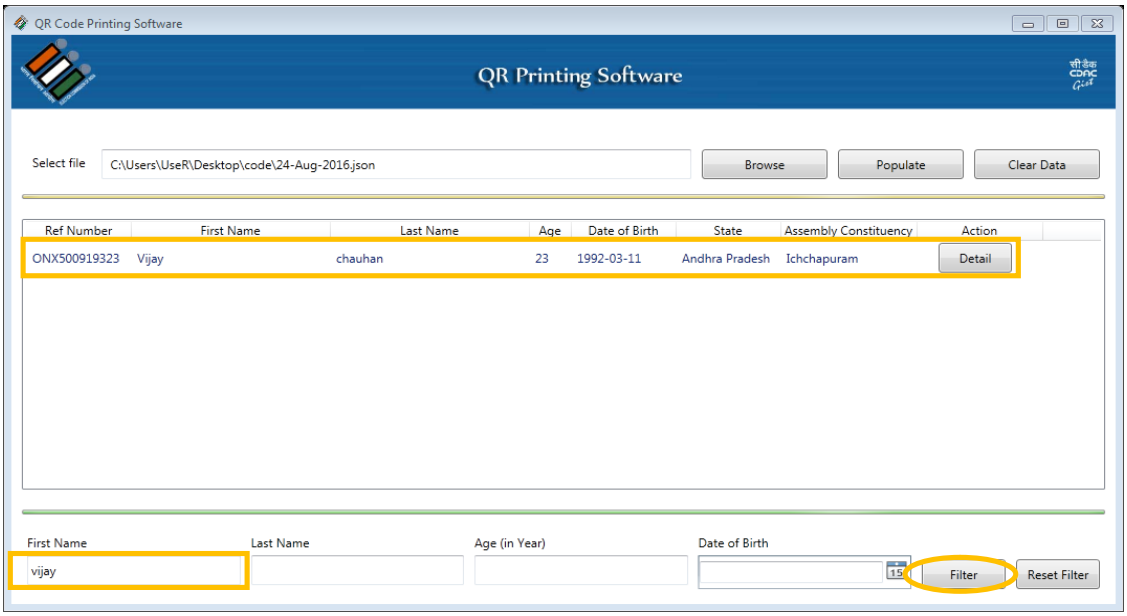
b. Now click on Populate button to Display contents of the data file, which shows persons detail like Ref Number, First Name, Last Name, Age, DOB, State, and Assembly Constituency etc.

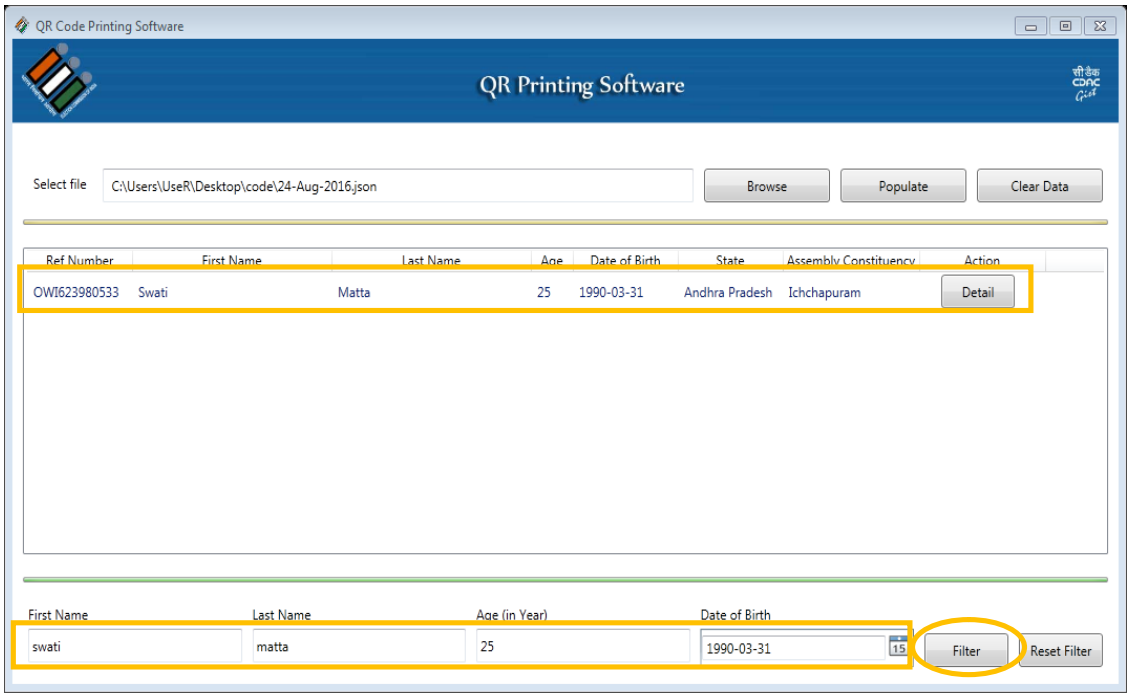


c. In order to search for specific records, user can also filter data according to following fields to get specific person record.

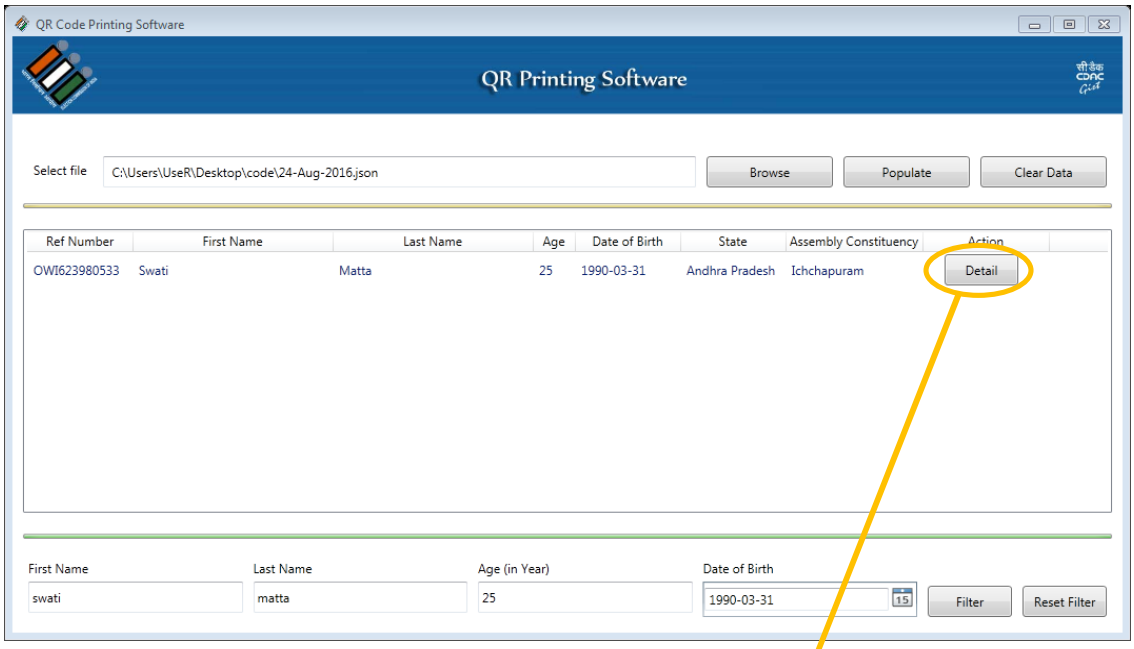
First Name,
Last Name,
Age (in Year),
Date of Birth

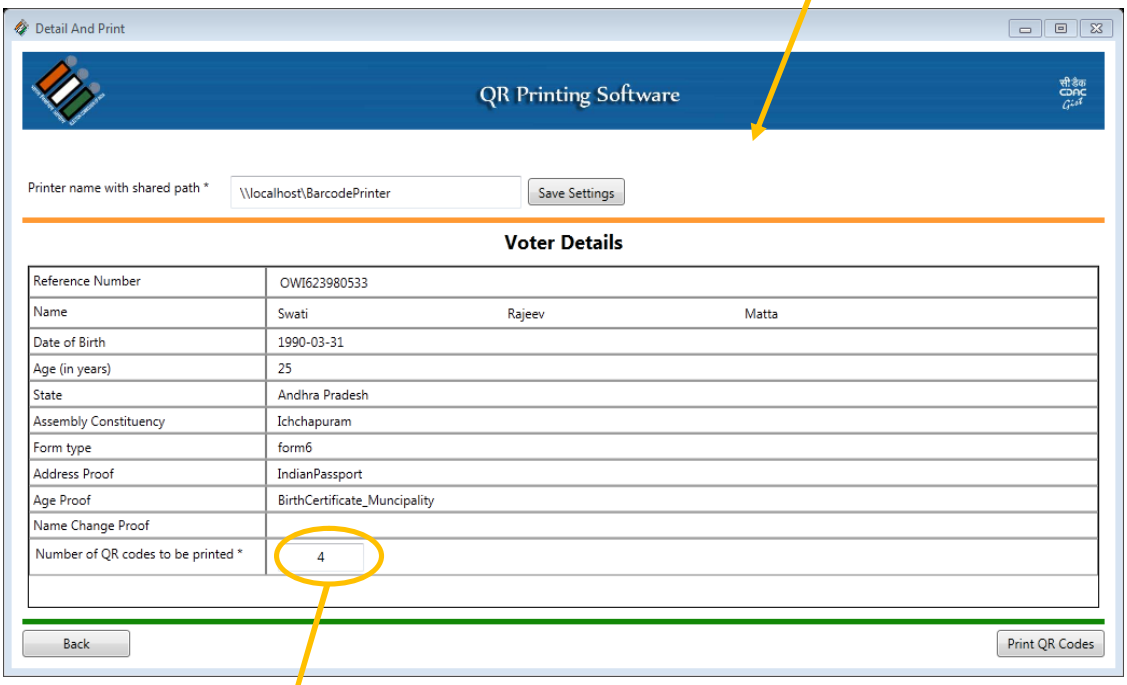
Put search details and click on 'Filter' button to filter records according to the mention fields. In the following examples, the records are filtered for the name "vijay" and "swati".
Note: Multiple filters can be used to further narrow down filtered results.





d. Now click on 'Detail' button inside 'Action' column. It opens a new window showing details of the applicant. QR stickers need to be printed for this applicant.

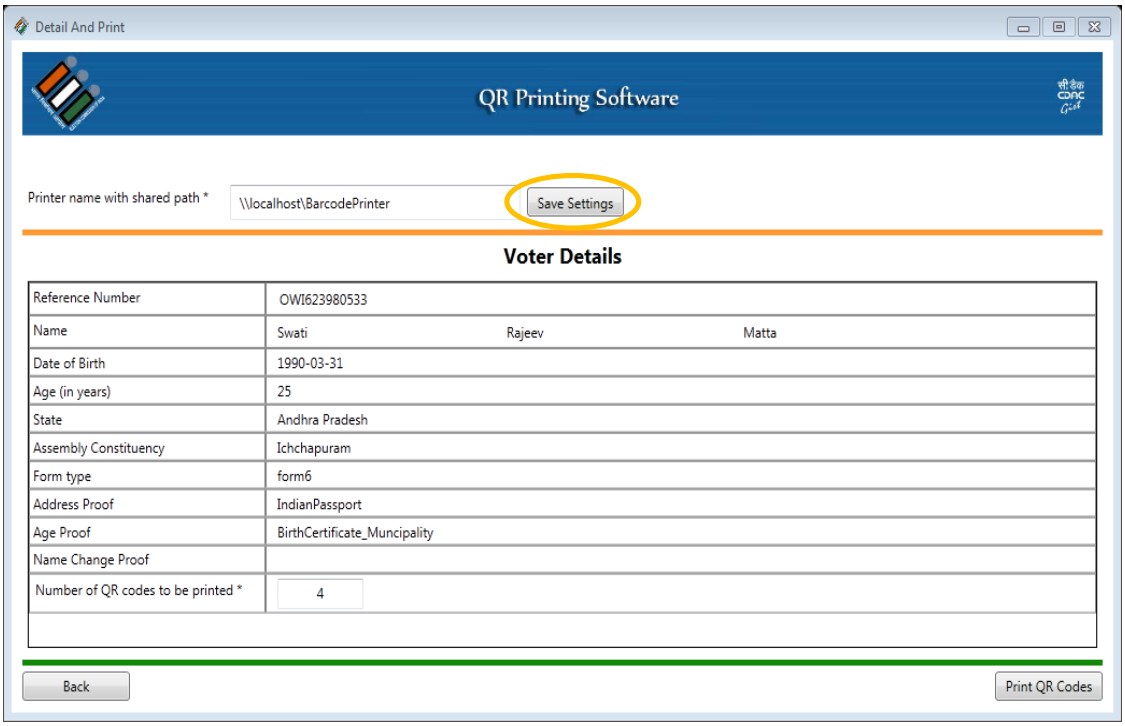




This field shows the number of QR code stickers to be printed; based on the number of pages in form and attached documents. Separate QR Codes are printed for each page of the form depending on form type.

e. Configuring QR Printer

Please provide the shared name of the connected QR Code printer and click Save Settings. Printer name consists of server name and printer shared name, so if printer is connected with local computer then server name should be 'localhost' and printer shared name can be set from printer properties. If shared name is 'QRPrinter' then full printer name is '\\localhost\QRPrinter'.Here QRPrinter is the name of the printer attached to the Computer. User can use the name given to his/her QR Printer.

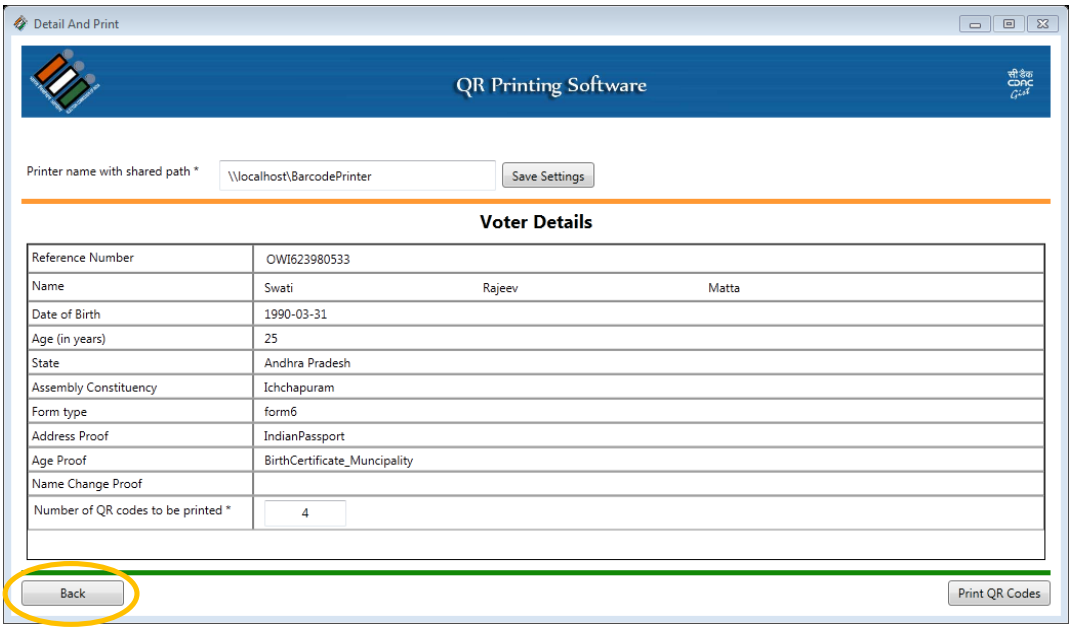


f. Check applicant details and click on 'Print QR Codes' button to print QR Code stickers. Make sure that the printer is ready for printing.

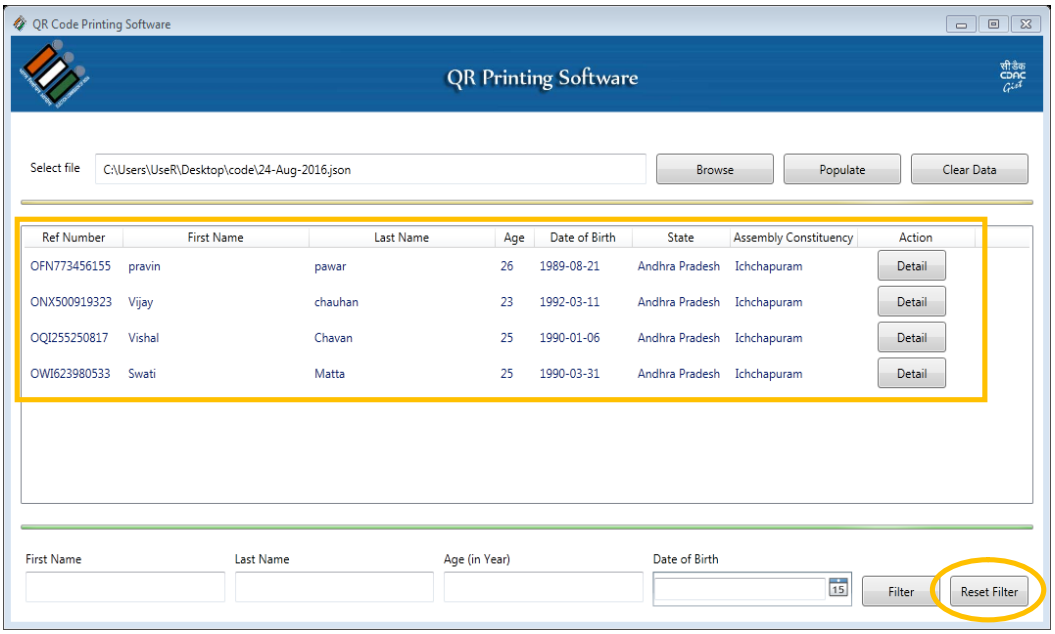
QR Code Printer

Sample QR Prints

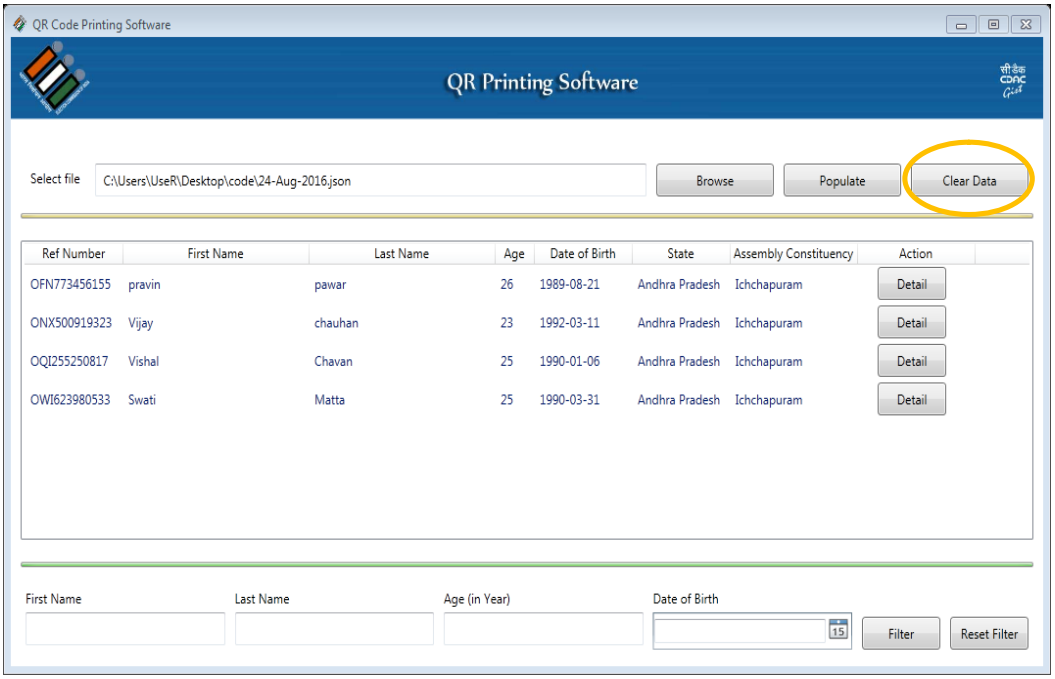
g. Click Back button to obtain previous window. For printing other applicants QR Codes, repeat steps 3) to 6).

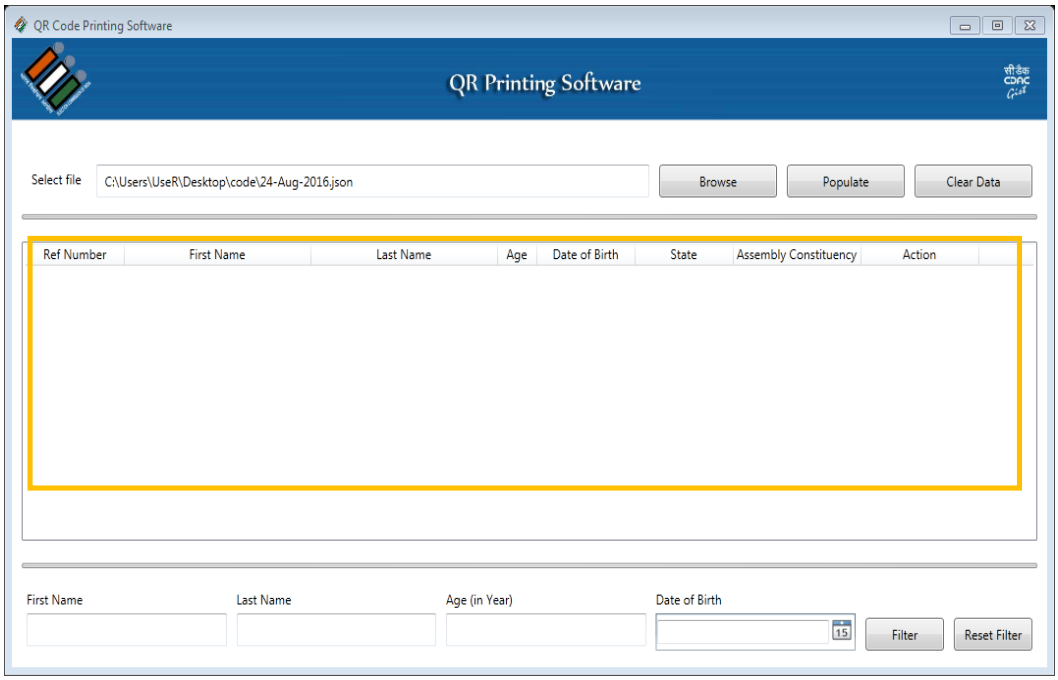


h. Reset Filter button used to clear searching fields and display all data in the table so that user can search/ filter next record.



i. Click 'Clear Data' button to clear the data.




QR Code Printing Software
QR Printing Software
Select file
C:\Users\UseR\Desktop\code\24-Aug-2016.json
Browse
Populate
Clear Data
Ref Number
First Name
Last Name
Age
Date of Birth
State
Assembly Constituency
Action
First Name
Last Name
Age (in Year)
Date of Birth
Filter
Reset Filter

APPENDIX A: *QR CODE PRINTING SOFTWARE SPECIFICATIONS*

QR Printer Specifications

- Resolution - 200 DPI and above
- Type - Thermal Transfer and Direct Thermal
- Speed - 4”/sec and above
- Print width - 4”

- QR Module Size Support: QR version 1 to 20
- Minimum Module Size: 21x21
- Maximum Module Size: 97x97
- Error Correction Levels: L, M, Q, H

Recommend is TSC – TTP244 Pro printer however other QR code printers can be used from Citizen, Godex, Toshiba, TSC etc

(Citizen CLE 720 (203 dpi) , Citizen CLE 730 (300 dpi), CITIZEN CLS-621 , CITIZEN CLS-631 , Godex RT 700 Desktop, Godex RT 700i Desktop , Godex EZ-1100 Plus, CITIZEN CL-S700 , CITIZEN CL-S703 Barcode Label Printer)

Sticker Paper

Polyester labels which are non tear able are recommended.

Printer Ribbon

Thermal transfer ribbons are of three types

- Type-1 **Wax Ribbons** – used for most economical printing. Print labels are less durable against scratch, chemical and environmental resistance.
- Type-2 **Wax & Resin Ribbons** – printing with wax/ribbons takes place at higher heat or energy setting. Print labels are more durable and good resistance.
- Type-3 **Resin Ribbons** – Most expensive thermal ribbons. This gives print labels long life in harsh environment.

Recommend are Wax & Resin (Type 2) Ribbons for our application.

GLOSSARY

AERO	*Assistant Electoral Roll Officer*
AMF	*Assured Minimum Facilities*
AC	*Assembly Constituency*
BLO	*Booth Level Officer*
CEO	*Chief Electoral Officer*
DEO	*District Election Officer*
ECI	*Election commission of India*
ERMS	*Electoral Roll Management System*
ERs	*Electoral Rolls*
ERO	*Electoral Roll Officer*
EPIC	*Elector's Photo Identity Card*
GIS	*Geographical Information System*
GPS	*Global Positioning System*
NCC	*National Call Centre*
NRES	*National Rollout of e-Services*
NVSP	*National Voter's Services Portal*
PS	*Polling Station*
PC	*Parliamentary Constituency*
SMS	*Short Messaging Service*
UNPER	*Unified National Photo Electoral Rolls Data*

CONTACT INFORMATION & FEEDBACK

For more information please contact: eronet-feedback@cdac.in