**A Project** Report on

**QR CODE GENERATOR**

Submitted to the Dept. of Information Technology, SNIST

in the partial fulfillment of the academic requirements for the award of

**B.Tech (Information Technology)**

**Under JNTUH**

By

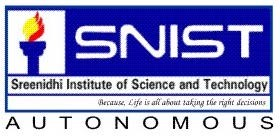
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**Certificate**

This is to certify that the Project report on QR CODE GENERATOR is a bonafide work carried M.L.N.MALLIKA(21311A1252)V.ROHIT(21311A1243)B.KRISHNA(21311A1240) out in the partial fulfillment for the award of B.Tech degree in Information Technology, Sreenidhi Institute of Science and Technology, Hyderabad, affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH), Hyderabad under our guidance and supervision.

The results embodied in the Project work have not been submitted to any other University or Institute for the award of any degree or diploma.

**DECLARATION**

I, M.L.N.MALLIKA(21311A1252)V.ROHIT(21311A1243)B.KRISHNA(21311A1240) student of **Sreenidhi Institute of Science and Technology, Yamnampet, Ghatkesar,** studying Ist year IInd semester, **Information Technology** solemnly declare that the project, titled **“Python MySQL connectivity”** is submitted to **Sreenidhi Institute of Science and Technology** for partial fulfillment for the award of degree of Bachelor of technology in **Information Technology**.

It is declared to the best of our knowledge that the work reported does not form part of any dissertation submitted to any other University or Institute for award of any degree.

**Associated Prof., IT Dept Head of the Dept**

**Dr. Y. Rohita Dr. Sunil Bhutada**

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Finally, I would also like to thank the people who have directly or indirectly helped us and parents and friends for their cooperation in completing the Project in python.

**Abstract**

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**Introduction**

The pyqrcode module is a QR code generator and that is simple to use and written in pure python. The module is compatible with Python 2.6, 2.7, and 3.10 or any other. The module automates most of the building.

All the data is entered by the user.

This program allows the user to generate their own choice of qr code.

QR codes can be saved as SVG, EPS, PNG (by using the [pypng](https://pypi.python.org/pypi/pypng/) module), and plain text. PIL is not used to render the image files. You can also display a QR code directly in a compatible terminal.

The pyqrcode module attempts to follow the QR code standard as closely as possible. The terminology and the encodings used in pyqrcode come directly from the standard. This module also follows the algorithm laid out in the standard.

**Steps Involved**

Step 1:- Import tkinter module

Step 2:- Import qrcode module

Step 3:- Create window and set the geometry

Step 4:- Create label and title for the window

Step 5:- Create the function to generate code

Step 6:- Create the 1st frame to enter the url or the text

Step 7:- Create 2nd frame to enter the location to save

Step 8:- Create 3rd frame to give the name for the code

Step 9:- Create the button which access to generate and save the code.

**SOURCE CODE**

import qrcode

from tkinter import \*

from tkinter import messagebox

#Creating the window

wn = Tk()

wn.title(' QR Code Generator')

wn.geometry('700x700')

wn.config(bg='green')

#Label for the window

headingFrame = Frame(wn,bg="red",bd=5)

headingFrame.place(relx=0.15,rely=0.05,relwidth=0.7,relheight=0.1)

headingLabel = Label(headingFrame, text="Generate QR Code ", bg='yellow', font=('Segoe script',20,'bold',))

headingLabel.place(relx=0,rely=0, relwidth=1, relheight=1)

#Function to generate the QR code and save it

def generateCode():

#Creating a QRCode object of the size specified by the user

qr = qrcode.QRCode(version = size.get(),box\_size =10,border= 5)

qr.add\_data(text.get())

qr.make(fit = True)

img = qr.make\_image()

fileDirec=loc.get()+'\\'+name.get()

img.save(f'{fileDirec}.png')

#Showing the pop up message on saving the file

messagebox.showinfo("QR Code Generator","QR Code is saved successfully!")

#Input of the text or URL to get QR code

Frame1 = Frame(wn,bg="green")

Frame1.place(relx=0.1,rely=0.15,relwidth=0.7,relheight=0.3)

label1 = Label(Frame1,text="Enter the text/URL:",bg="green",fg='azure',font=('Segoe script',13,'bold'))

label1.place(relx=0.05,rely=0.2, relheight=0.08)

text = Entry(Frame1,font=('Century 12'))

text.place(relx=0.05,rely=0.4, relwidth=1, relheight=0.2)

#Input of the location to save QR Code

Frame2 = Frame(wn,bg="green")

Frame2.place(relx=0.1,rely=0.35,relwidth=0.7,relheight=0.3)

label2 = Label(Frame2,text="Enter the location to save the QR Code: ",bg="green",fg='azure',font=('Segoe script',13,'bold'))

label2.place(relx=0.05,rely=0.2, relheight=0.08)

loc = Entry(Frame2,font=('Century 12'))

loc.place(relx=0.05,rely=0.4, relwidth=1, relheight=0.2)

#Input of the QR Code image name

Frame3 = Frame(wn,bg="green")

Frame3.place(relx=0.1,rely=0.55,relwidth=0.7,relheight=0.3)

label3 = Label(Frame3,text="Enter the name of the QR Code: ",bg="green",fg='azure',font=('Segoe script',13,'bold'))

label3.place(relx=0.05,rely=0.2, relheight=0.08)

name = Entry(Frame3,font=('Century 12'))

name.place(relx=0.05,rely=0.4, relwidth=1, relheight=0.2)

#Input of the size of the QR Code

Frame4 = Frame(wn,bg="green")

Frame4.place(relx=0.1,rely=0.75,relwidth=0.7,relheight=0.2)

label4 = Label(Frame4,text="Enter the size from 1 to 40 with 1 being 21x21: ",bg="green",fg='azure',font=('Segoe script',13,'bold'))

label4.place(relx=0.05,rely=0.2, relheight=0.08)

size = Entry(Frame4,font=('Century 12'))

size.place(relx=0.05,rely=0.4, relwidth=0.5, relheight=0.2)

#Button to generate and save the QR Code

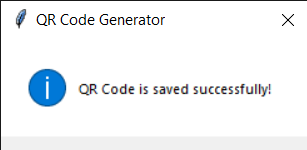
button = Button(wn, text='Generate Code',font=('Segoe script',15,'bold'),command=generateCode, fg='red')

button.place(relx=0.35,rely=0.9, relwidth=0.25, relheight=0.05)

wn.mainloop()

**OUTPUT**

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