



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

363, Arcot Road, Kodambakkam, Chennai - 24.

DEPARTMENT OF INFORMATION TECHNOLOGY

15TH NATIONAL LEVEL TECHNICAL SYMPOSIUM - ASTHRA 2K19

SUBMITTED TO:

DR. K.S. BABAI, SECRETARY

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

SUBJECT:

ASTHRA - 2K19 QR REGISTRATION,

REGISTRATION DESK,

ASTHRA 2K19

SUBMITTED BY: A. KANIMOZHI, HEAD OF THE DEPARTMENT.

N. MATHANGI, ASSISTANT HOD.

STAFF MEMBERS AND STUDENTS OF IT.

REGISTRATION DESK

ASTHRA - 2K19 QR REGISTRATION

APP NAME: ASTHRA2K19



Up to ASTHRA – 2K18 symposium the registration process was done manually. This took a lot of man power, consumed a lot of time and loss of data also occurred. In order to eradicate such problems, we developed an application which would not consume much of the time and there will not be any data loss. Smart work is required to ourselves and we the students of Information Technology and this makes us stand unique from others. We developed two applications namely:

ASTHRA2K19 (QR Generator)

ASTHRA19 (QR Scanner)

ASTHRA2K19 (QR Generator):

Using this application, we can generate a QR code for the participants individually which contain the information of the participant.

ASTHRA19 (QR Scanner):

Using this application, we can scan the participant's QR code and the details present in the QR code is entered in the respective google sheet link mentioned in the application.

DEVELOPMENT:

We built our app by working with:

The App Inventor Designer, where you select the components for your app.

The App Inventor Blocks Editor, where you assemble program blocks that specify how the components should behave. You assemble programs visually, fitting pieces together like pieces of a puzzle.

Your app appears on the phone step-by-step as you add pieces to it, so you can test your work as you build. When you're done, you can package your app and produce a stand-alone application to install. If you don't have an Android phone, you can build your apps using the Android emulator, software that runs on your computer and behaves just like the phone.

The App Inventor development environment is supported for Mac OS X, GNU/Linux, and Windows operating systems, and several popular Android phone models. Applications created with App Inventor can be installed on any Android phone.

Before you can use App Inventor, you need to set up your computer and install the App Inventor Setup package on your computer.

Coding involved:

Coding is completely done by using blocks. The blocks are:

Control blocks

Logic blocks

Math blocks

Text blocks

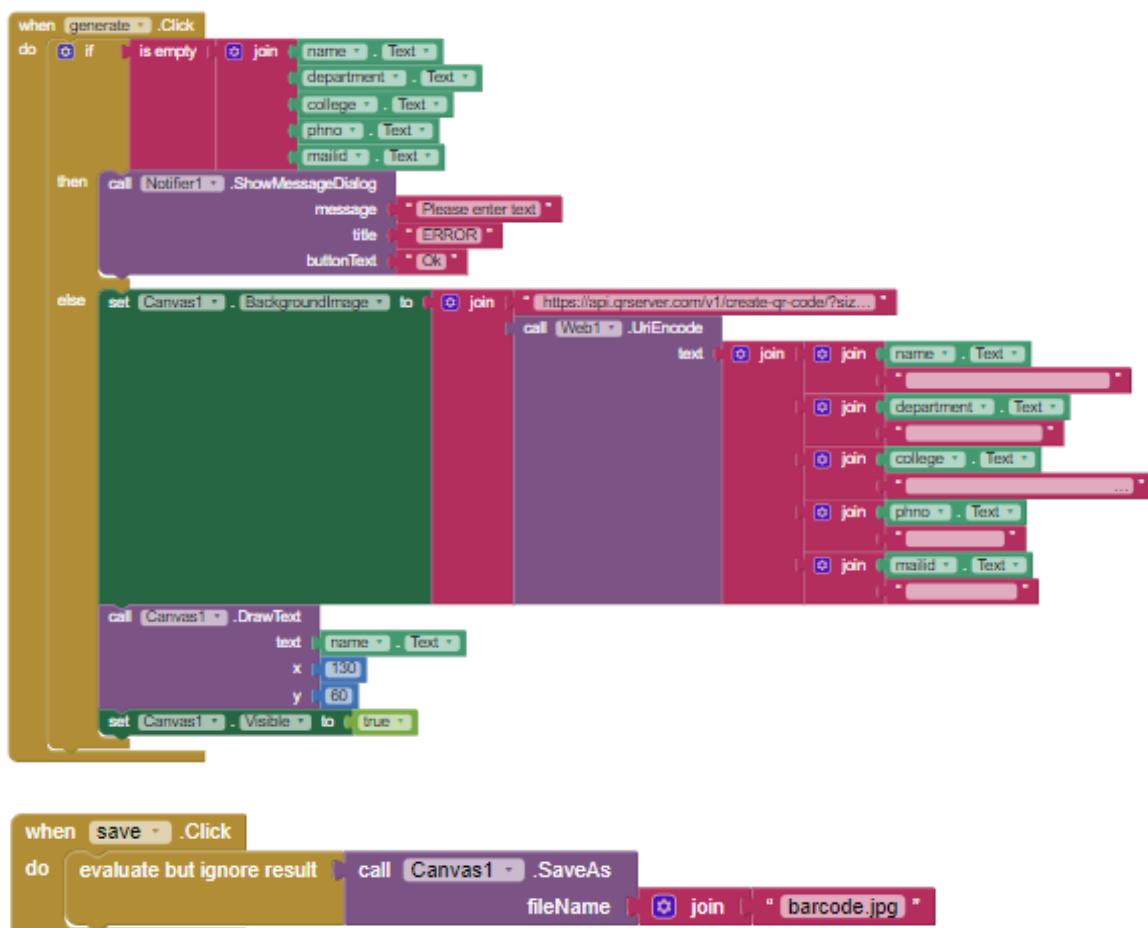
Lists blocks

Colors blocks

Variables blocks

Procedures blocks

BLOCK CODE FOR QR CODE GENERATOR:



```

when shareqr .Click
do call Canvas1 .Clear

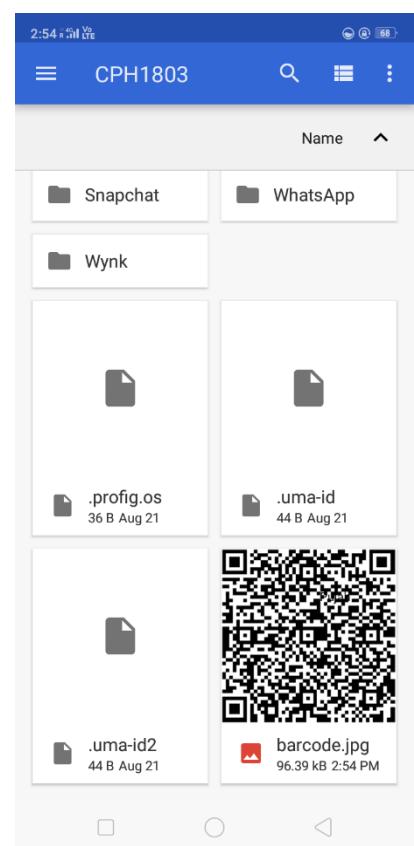
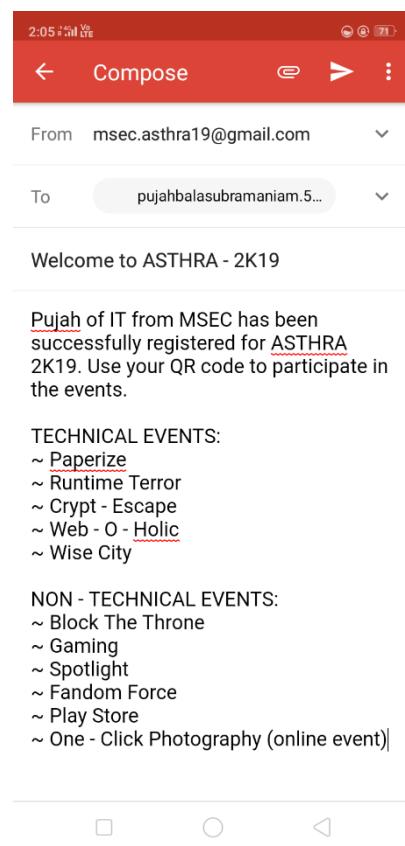
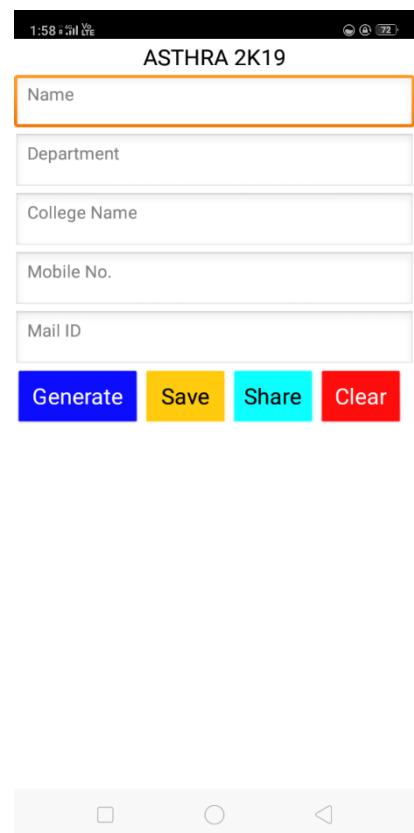
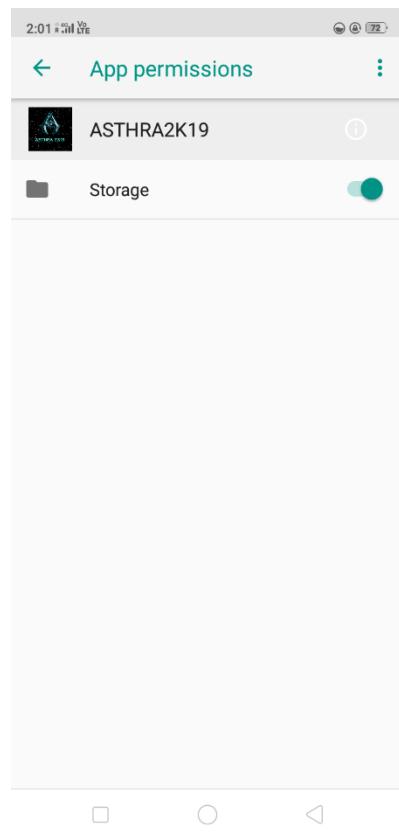
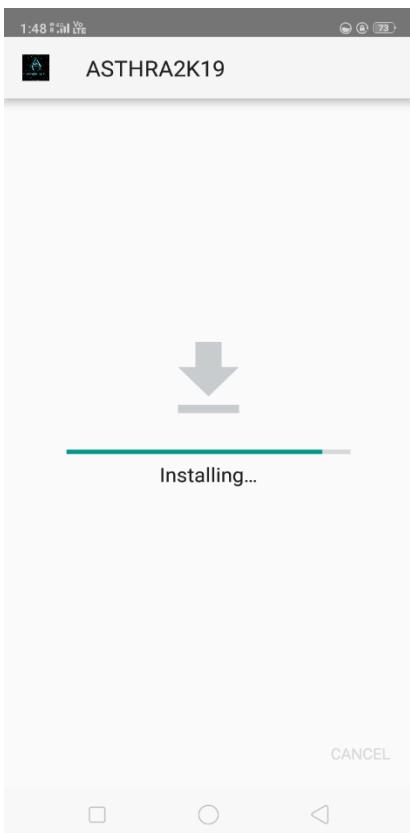
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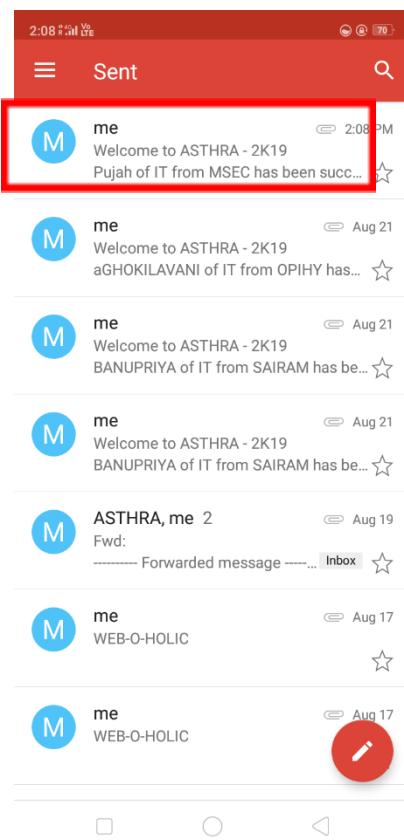
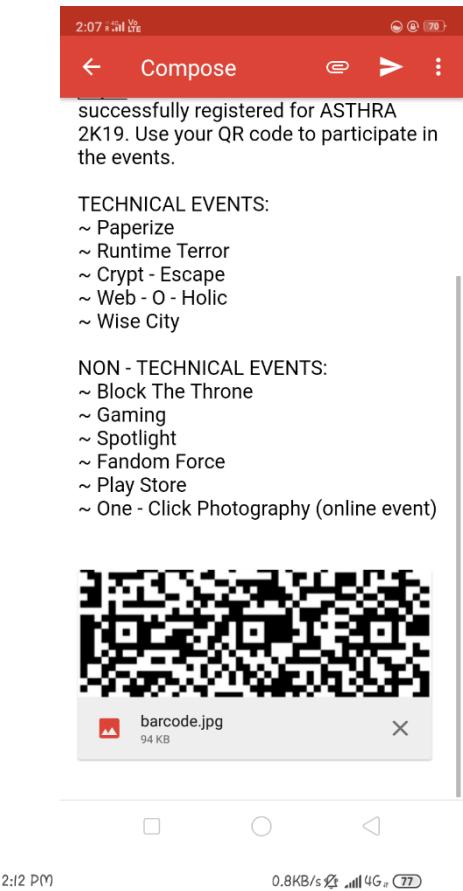
```

when share .Click
do set ActivityStarter1 . Action to android.intent.action.VIEW
set ActivityStarter1 . DataUri to join mailto:
join mailid . Text
join ?subject= (Welcome to ASTHRA - 2K19)
join &body=
join name . Text
join of
join department . Text
join from
join college . Text
join has been successfully registered for ASTHRA 2K1...
join TECHNICAL EVENTS: \n
join ~ Paperize \n
join ~ Runtime Terror \n
join ~ Crypt - Escape \n
join ~ Web - O - Holic \n
join ~ Wise City \n\n
join NON - TECHNICAL EVENTS: \n
join ~ Block The Throne \n
join ~ Gaming \n
join ~ Spotlight \n
join ~ Fandom Force \n
join ~ Play Store \n
join ~ One - Click Photography (online event) \n\n
call ActivityStarter1 .StartActivity

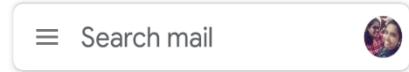
```

The following images gives you an idea of how the application looks like in a mobile phone and a computer.



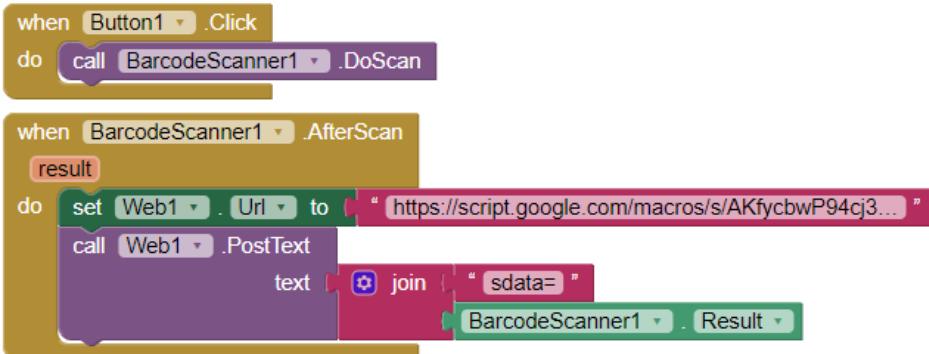


2:12 PM 0.8KB/s 4G

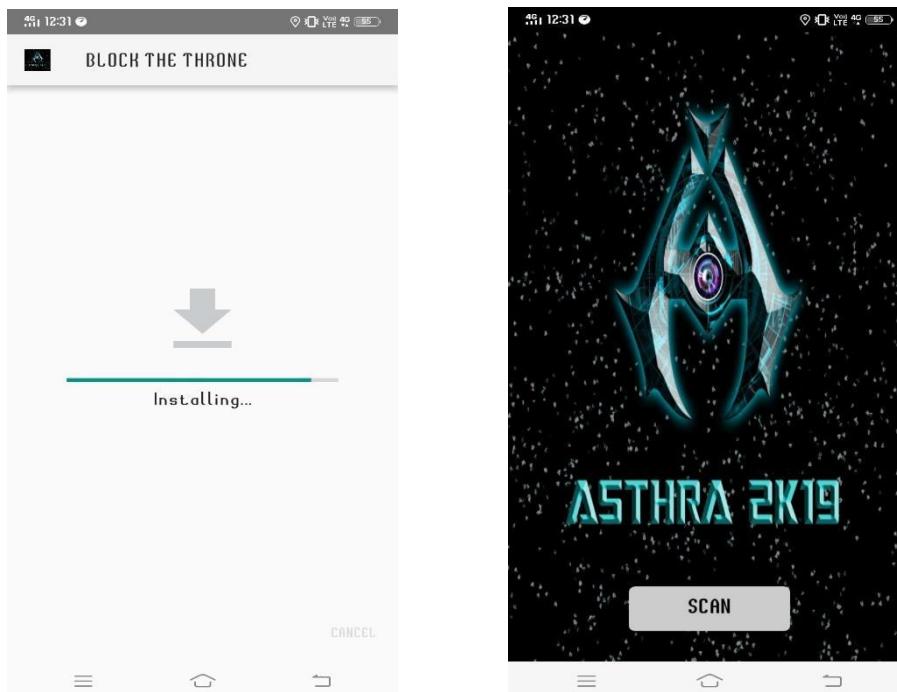


BLOCK CODE FOR QR CODE SCANNER:

Each event was given an individual scanner app which contained the event's respective google sheet link.



The following image gives you an idea of how the scanner app looks like



The following image gives you an idea of how the scanned information looks like in a google sheet

	A	B	C	D	E	F	G
1	TIME STAMP	NAME	DEPARTMENT	COLLEGE	MOBILE_NO	MAIL_ID	
2	8-25-2019 8:59:22	VIGNESH KUMAR	IT	SAIRAM ENG COLLEGE	9840715302	lavism@gmail.com	
3	8-26-2019 8:59:22	thaarun g srivatsav	it	sairam	7358215390	tharungsrivatsav123@gmail.com	
4	8-27-2019 8:59:22	VIJAYANATHAN	IT	SAIRAM ENG COLLEGE	9840715302	viswanathanmukundan@gmail.com	
5	8-28-2019 8:59:22	SAI SURESH M.V	CSE	VELAMMAL ENGINEERING COLLEGE	8220110456	saiusuresh1999@gmail.com	
6	8-29-2019 8:59:22	SUBASHINI R	CSE	VELAMMAL ENGINEERING COLLEGE	95000112946	subashiniravi492@gmail.com	
7	8-17-2019 9:22:26	VAISHALI S	CSE	VELAMMAL ENGINEERING COLLEGE	6381607887	vaisucnru@gmail.com	
8	8-17-2019 9:22:43	MOHANRAJ G	CSE	SRI SAIRAM INSTITUTE OF TECHNOLOGY	7010165579	glmohan2016@gmail.com	
9	8-17-2019 9:22:51	MOHANRAJ G	CSE	SRI SAIRAM INSTITUTE OF TECHNOLOGY	9094424199	glmohan2016@gmail.com	
10	8-17-2019 9:24:20	PRakash D	CSE	SRI SAIRAM INSTITUTE OF TECHNOLOGY	9786969436	prakashabhishek001@gmail.com	
11	8-17-2019 9:24:43	VISHVAJA J	IT	SAVEETHA ENGINEERING COLLEGE	9551090000	vishvaja2000@gmail.com	
12	8-17-2019 9:25:15	NANDINISREE	IT	SAVEETHA ENGINEERING COLLEGE	9710525526	nandinisree2701@gmail.com	
13	8-17-2019 9:25:58	S.SHANKAR	CSE	SRI SAIRAM ENGINEERING COLLEGE	9148158989	raghavshankar24@gmail.com	
14	8-17-2019 9:26:04	S KAVI VARUN	CSE	SRI SAIRAM ENGINEERING COLLEGE	8754586646	kavivarun@yahoo.com	
15	8-17-2019 9:26:26	EYUWANKG SWANKG	CSE	SRI SAIRAM ENGINEERING COLLEGE	8838777287	messikarthick@gmail.com	
16	8-17-2019 9:26:42	VISHWAJITH V	CSE	SRI SAIRAM ENGINEERING COLLEGE	9087269921	vishwajith567@gmail.com	
17	8-17-2019 9:26:49	VENKATESH D	CSE	SRI SAIRAM ENGINEERING COLLEGE	9500008776	venkatesh27042001@gmail.com	
18	8-17-2019 9:26:51	KISHORE	IT	SAVITHA ENGG	7358415369	SKISHORESKT@GMAIL.COM	
19	8-17-2019 9:26:58	KAYALVIZHI. S	IT	SAVEETHA ENGINEERING COLLEGE	7373775433	kayal116295@gmail.com	
20	8-17-2019 9:27:30	R.SURESH KRISHNAA	CSE	SRI SAIRAM ENGINEERING COLLEGE	9952917557	shyrams1346@gmail.com	
21	8-17-2019 9:32:35	TUSHAR BANSAL M	CSE	SRM INSTITUTE OF SCIENCE AND TECHNOLOGY	9176812969	tushar123456789@gmail.com	
22	8-17-2019 9:32:44	RITESH DUBEY D	CSE	JAYAGOVIND HARIGOPAL AGARWAL AGARSEN COLLEGE	8682932589	dritesh484@gmail.com	

BLUESTACKS:

Bluestacks is a platform which is used to run mobile applications via pc. So we used Bluestacks to run ASTHRA2K19 QR CODE GENERATOR.

Minimum requirements to install Bluestacks:

You must be an Administrator on your PC.

Your PC must have 2GB of RAM/main memory. (Note that having 2GB or more disk space is not a substitute for RAM)

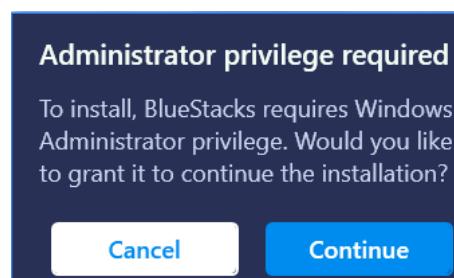
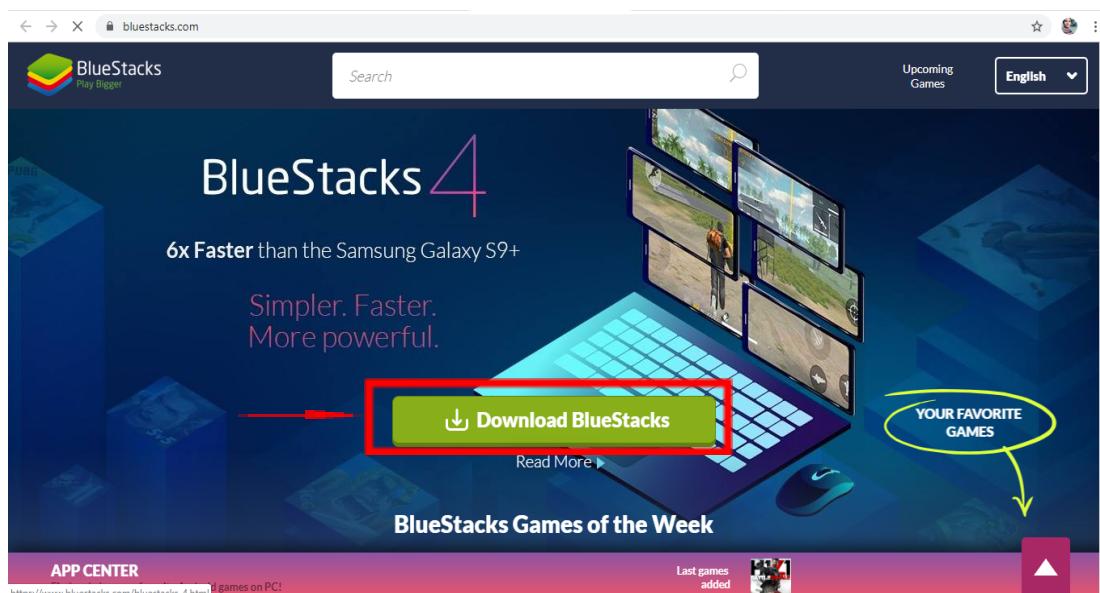
Your PC must have 4GB of disk space available for storing Android apps / games and their data.

The drivers for your PC's graphics drivers should be updated for compatibility with BlueStacks as described in the following post

Installation:

Step1:

Download Bluestacks (Link Address: <https://www.bluestacks.com/>)



Step2:

Open and install Bluestacks.

Step3:

Go to play store and install Gmail within Bluestacks itself.

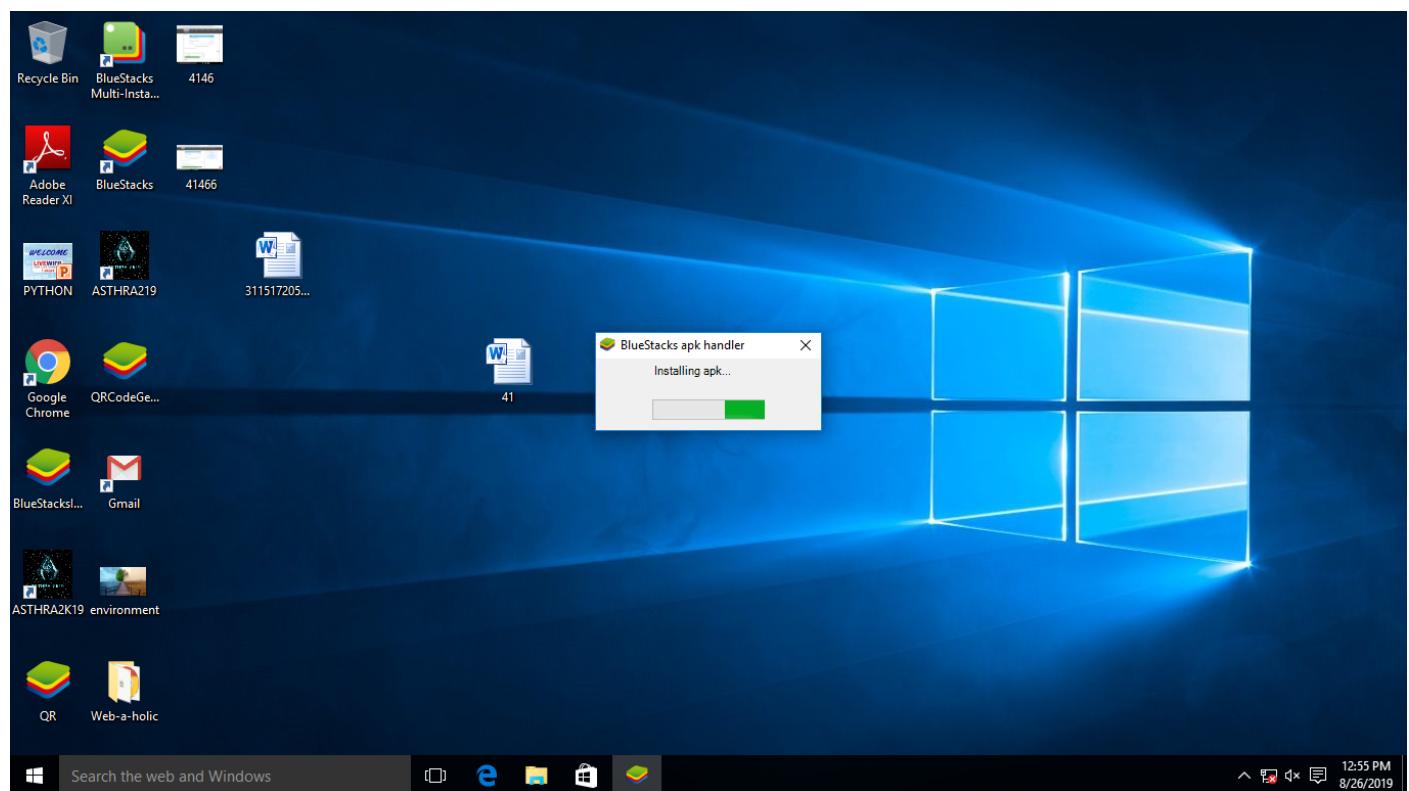
Sign-in the Gmail account from which the mail has to be sent.

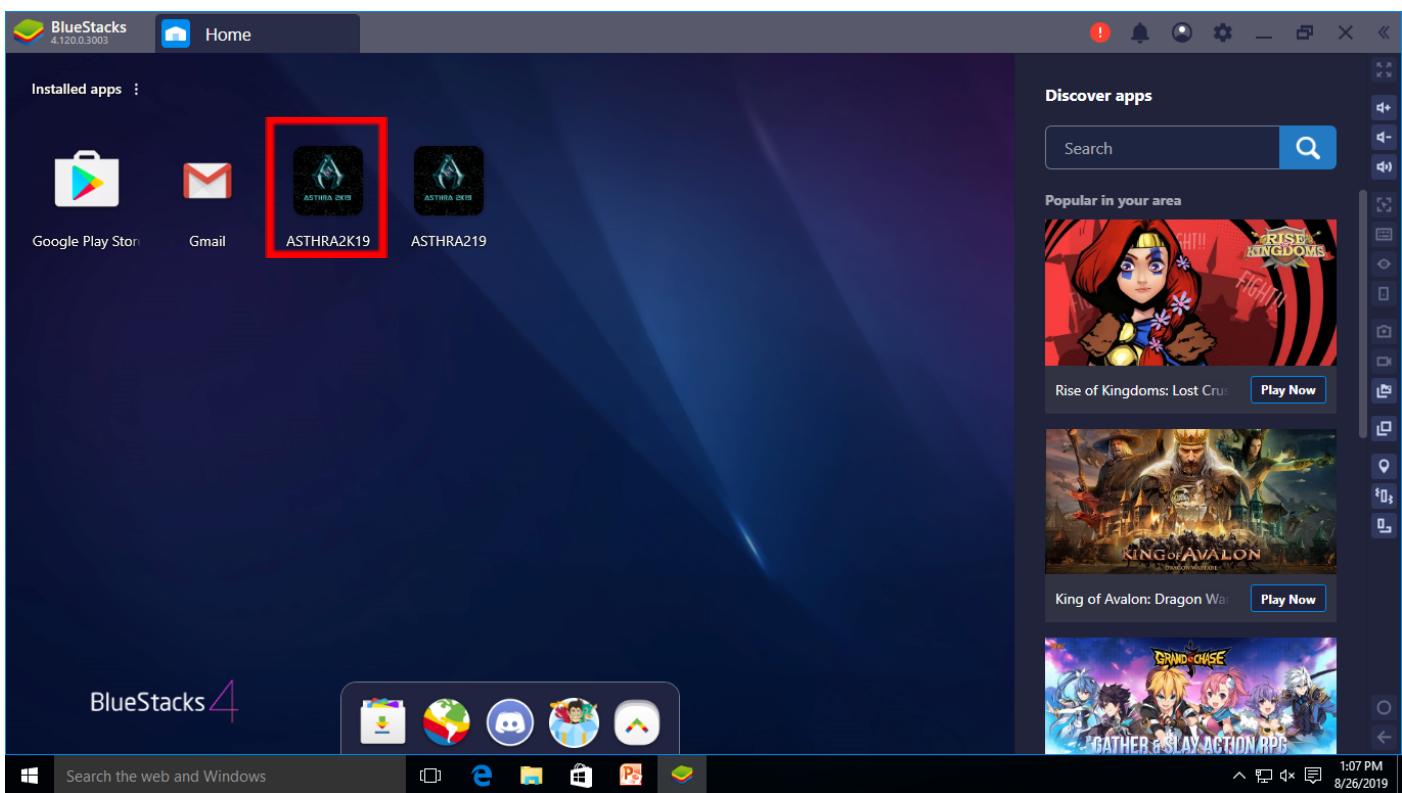
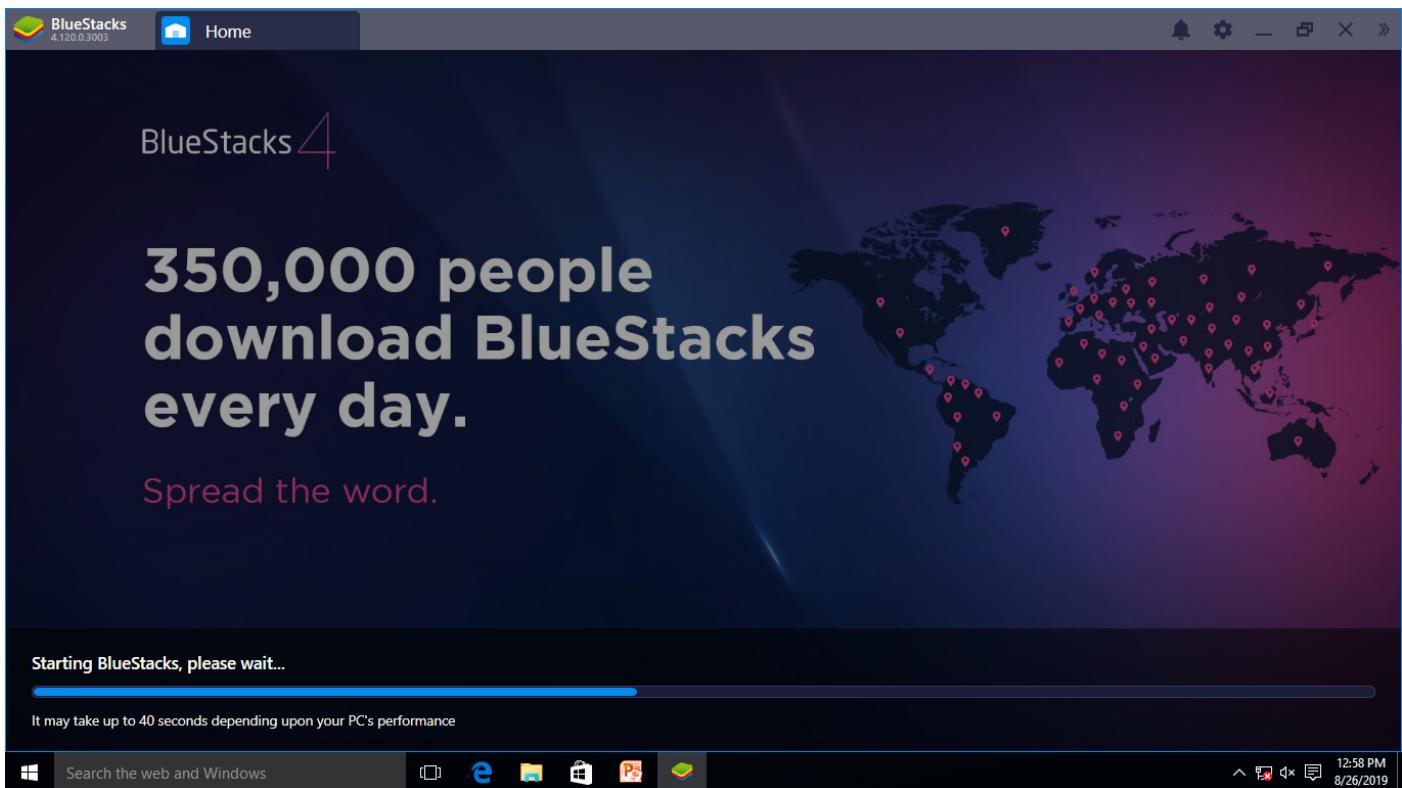
Step4:

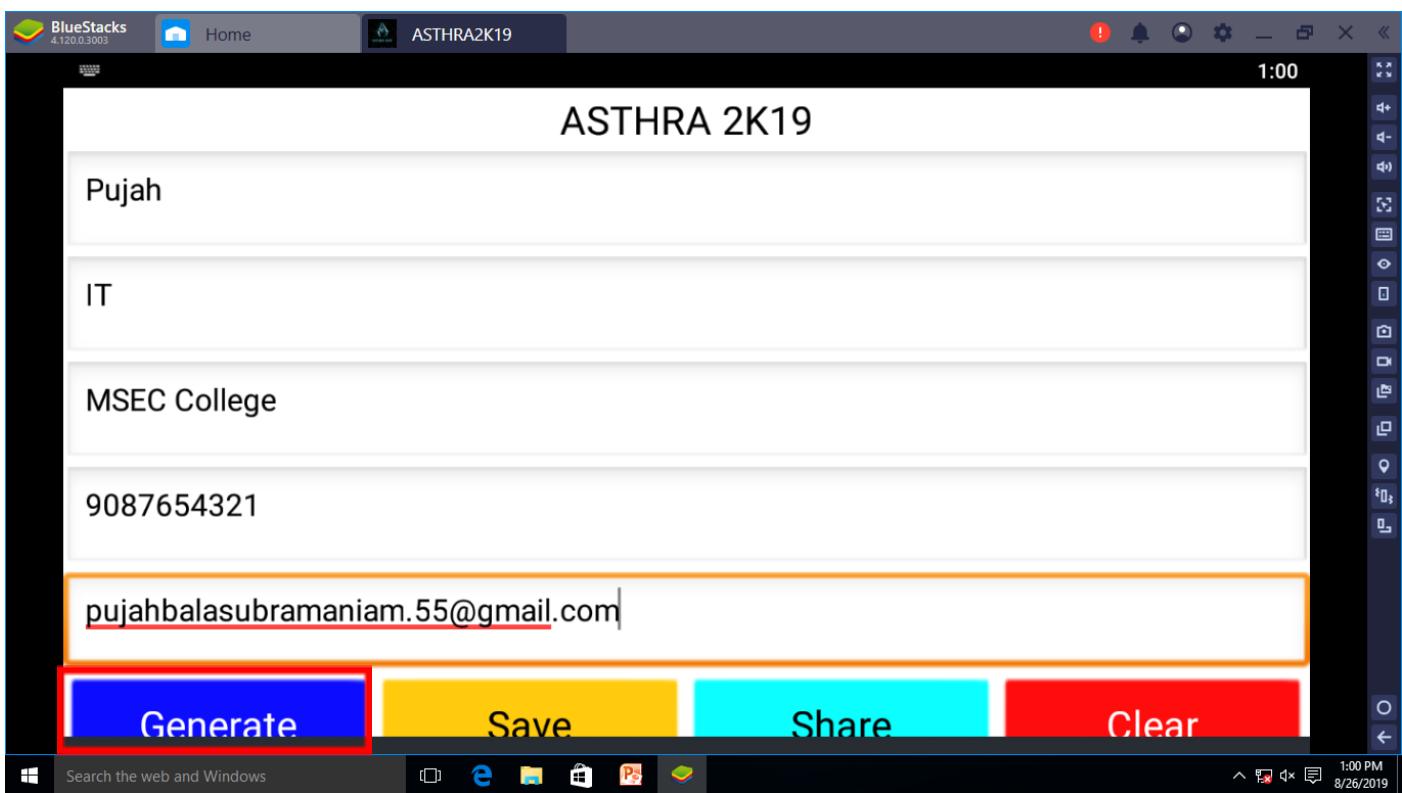
Open the application's APK file through Bluestacks and wait until installation of the application gets completed.

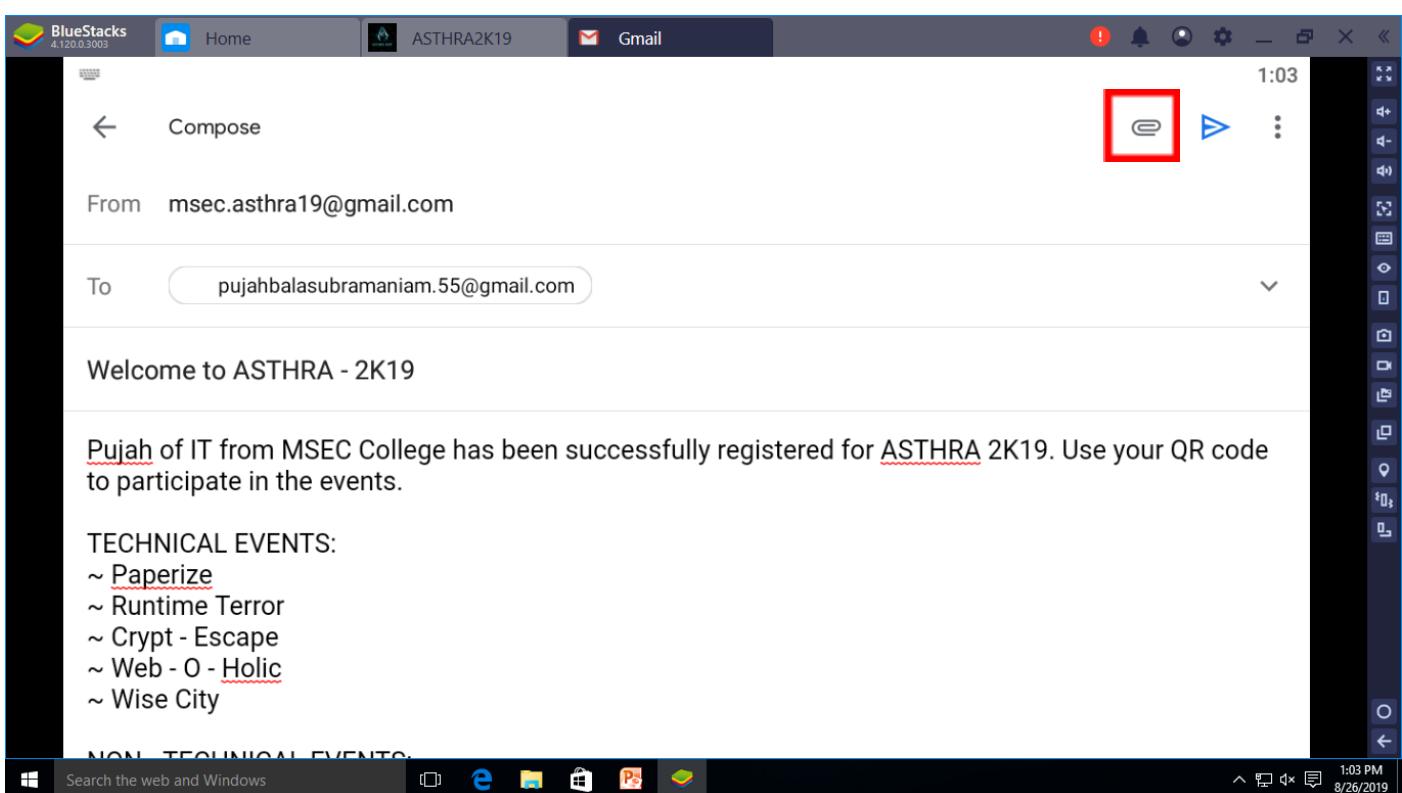
Now the installation done.

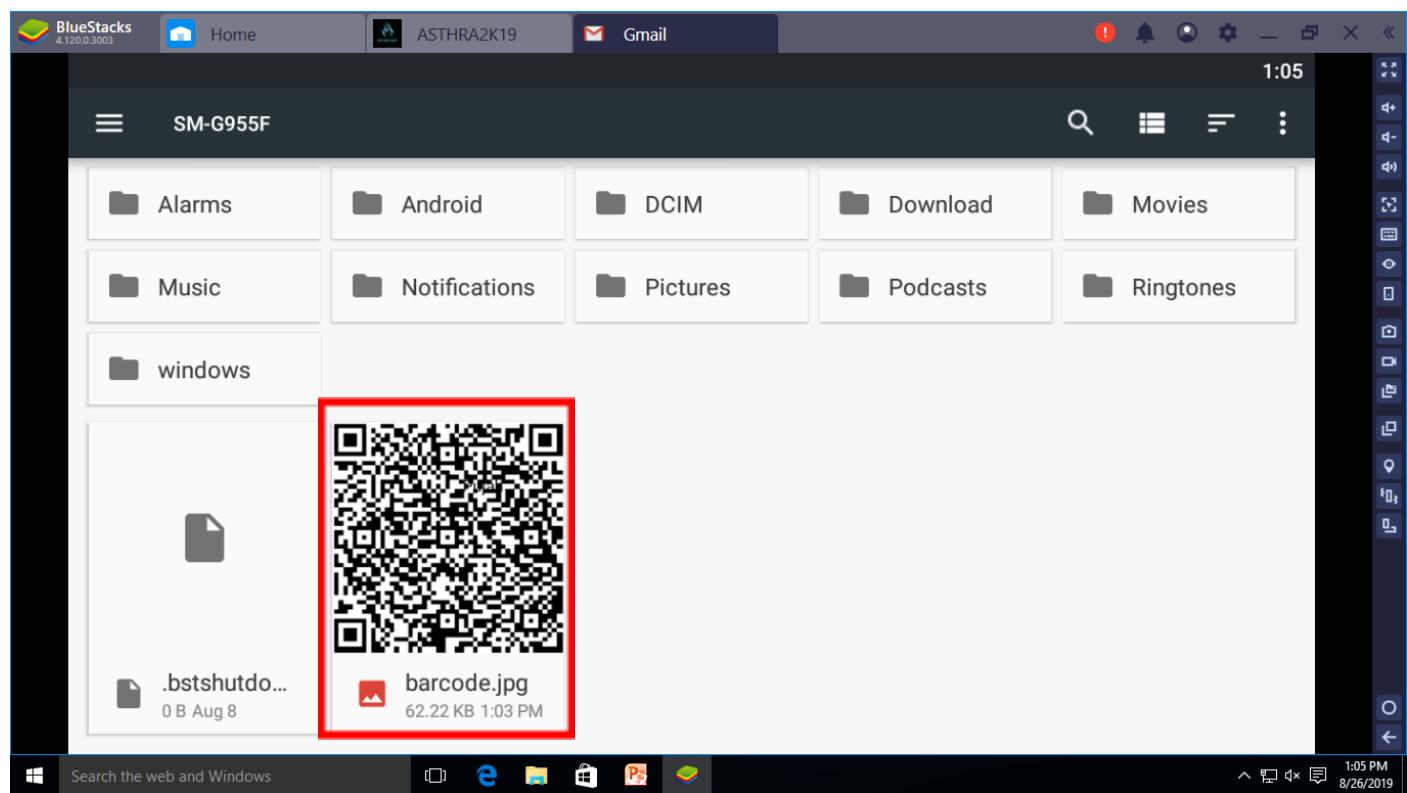
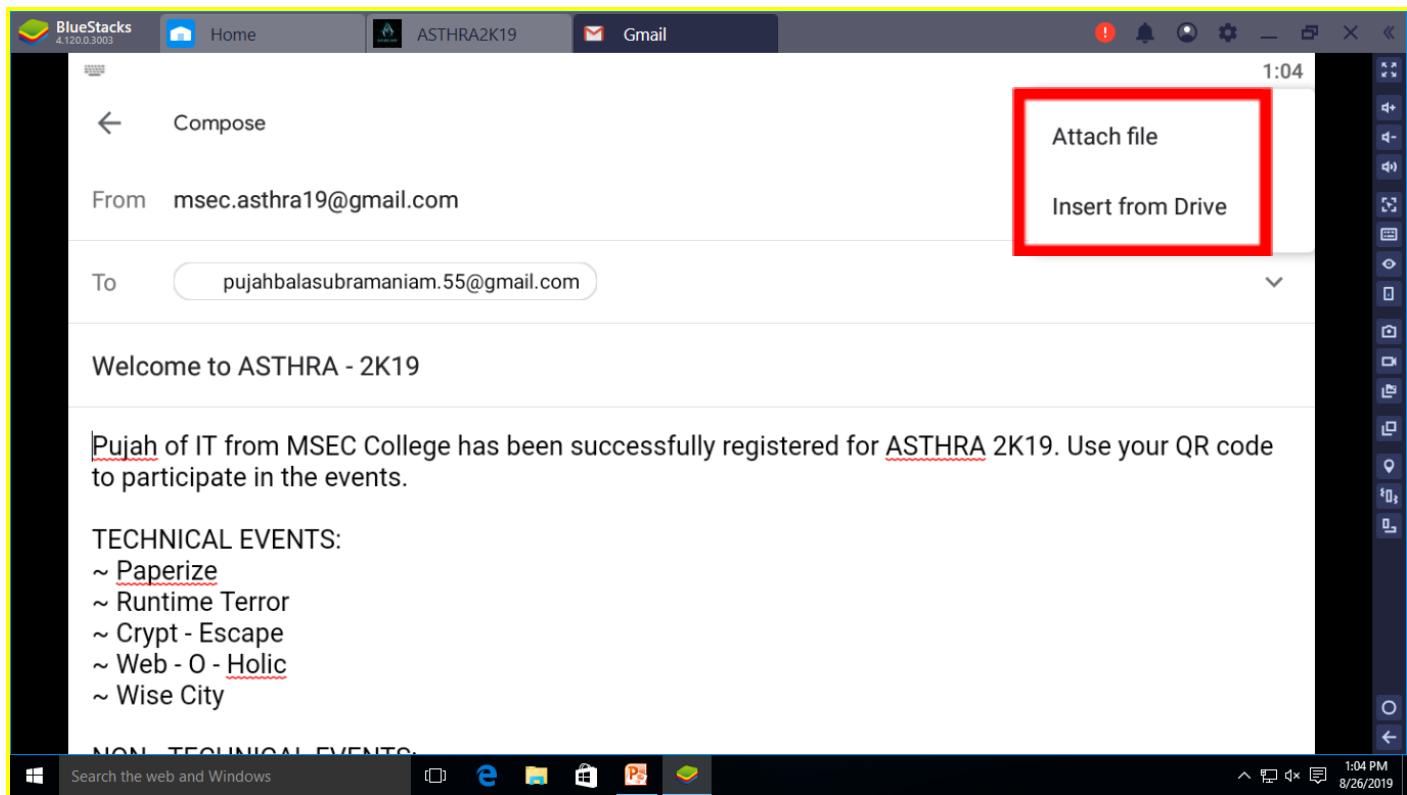
If you run this QR Generator application via Bluestacks. The obtained output will be as follows:

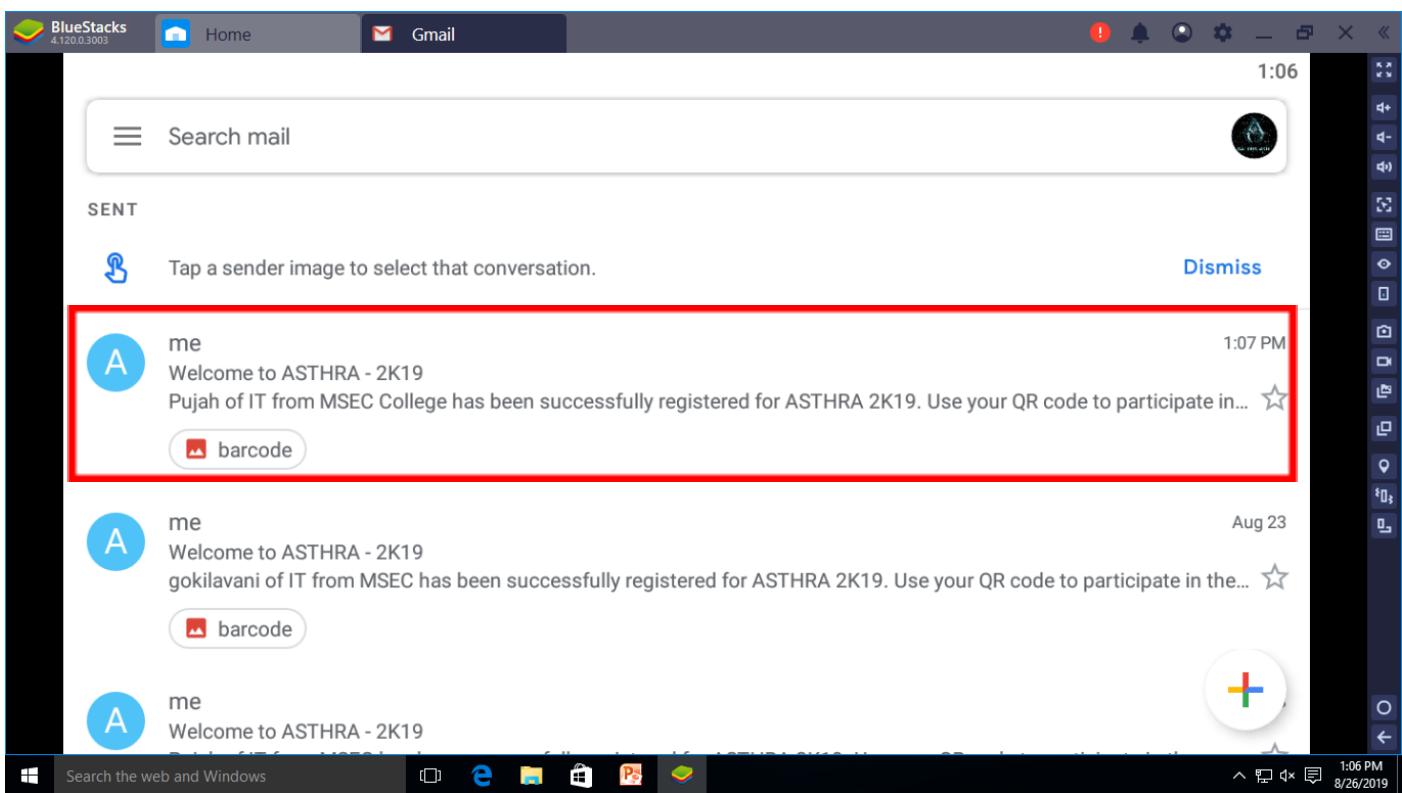
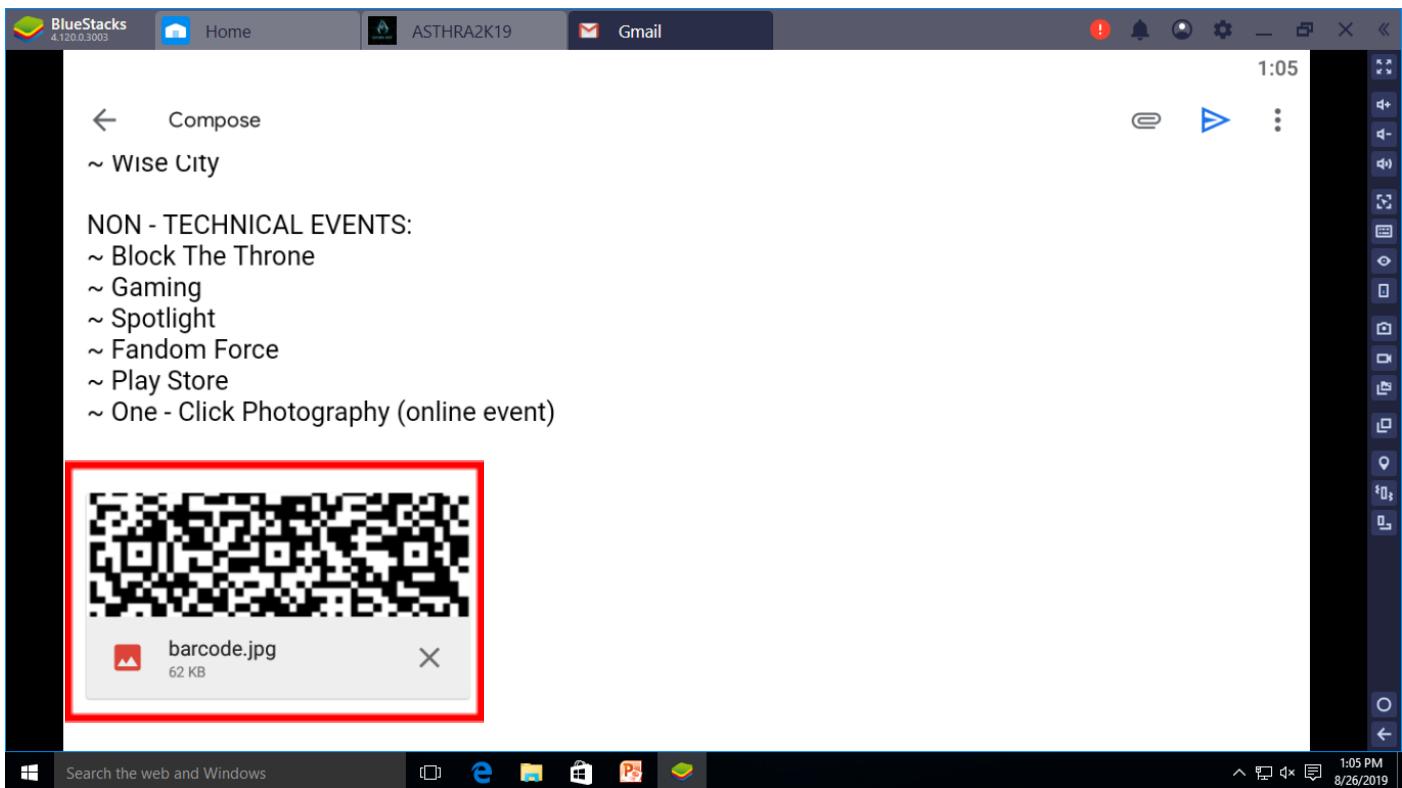












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Social 55 new YouTube, Facebook, Quora, Digg Promotions Updates 17 new Nam Ha Minh, Academic Paper

Primary

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Goki Goki (no subject) 12:41 PM Screenshot_20... Screenshot_20...

CodeProject Daily News - The End of Agile - Your morning update: Daily News - The Code Project Monday, August... 12:15 PM

me (no subject) 12:03 PM asthraappfile.d...

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