## Practical no: 5

Title: Understanding and connectivity of Raspberry-Pi /Beagle board with camera. Write an application to capture and store the image

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Class: T.E. Computer

**Subject: ES&IOT** 

Div: A

Roll no: 02

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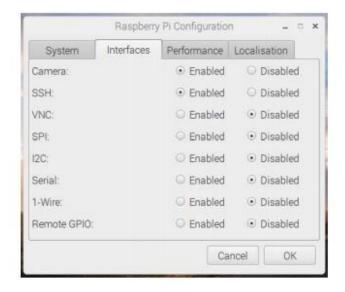
	ESIOT Practical 5	Aditi Dinesh Mway T.E. Comp. Div: Ad Roll no: 2
	Aim:	
	Understanding & connective board with camera. Write of store the image.	ity of Raspberry-Pil Beagle an application to capture
	Theory:	
6	Raspberry Camera Modwe: The Raspberry Pi Camera Hodwe V2 replaced the original Camera Module in Appil 2016. The camera Modwe can be used to take high-defination video, as well as stills photographs. It supports 1080p30, 720p60 & VGA90 video modes as well as still capture. It attaches via a 15cm ribbon cable to CSI post on the Raspberry Pi. The Camera works with all modes of Raspberry Pi 1,2,3. It can be accessed through MMAL & V4L, APIS & there are numerous third-posty libraries built for it, including the Pi Camera Python library.	
	Pi Camera:	

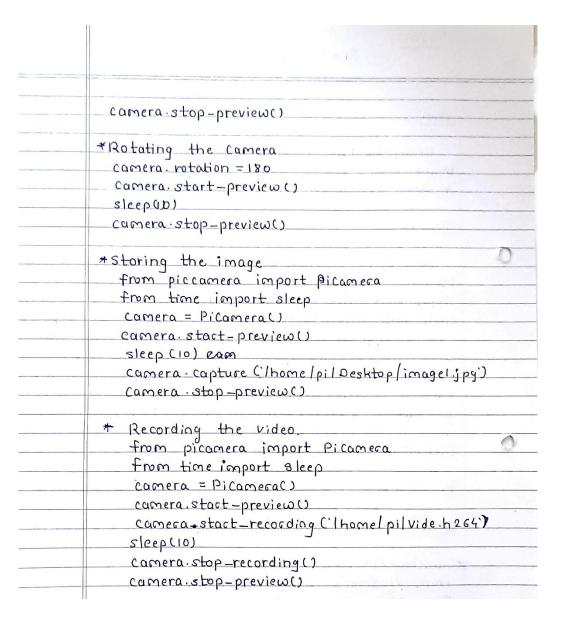
## Pi Camera



Open Raspberry Pi configuration & Enable the camera.
*Camera Preview.
from picamera import Picamera
from time import sleep
Camera = Picamera()
camera. stact -preview()
sleep(lo)

## Open Raspberry Pi Configuration and Enable the Camera





*	Converting & Playing Video	
	Converting & Playing Video  The Video format need to get converted to MP4. So	
	install apac.	
	Now convert it into MP4:	
	MP4Box-fp30-addvideo.h264 video.mp4.	
	Conclusion:	
	Contract	
	Thus, we have studied Pi Camera & also stored the	
	images & videos using - Picameta.	
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