



Document History

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Day 1 Activity:

• 1. Description

- 1. After watching the learning videos write the step by step configuration of the boards and set up in the window as well as in linux
- 2. Differences between Raspberry pie , Dragon, imx7 Sabre, BBB
- 3. Differences in different versions of BBB and write the evolution of the Beagle bone.
- 4. In Excel make the Pin expansion header of BBB and locate the various peripherals of Bone.

• Learning Outcome

- Created a new remote desktop by using the BeagleBone processor and working on it.
- To understand the differee between different processors available and between the BBB versions too.
- To understand the Pin expansion header of BBB.

Challenges

Working on Beagle Bone with linux.

Resources

- 1. https://www.youtube.com/watch?v=UMEUo6Wm6u4&list=PLGs0VKk2DiYyThNvj6VyDFm0nQ8ncXk8b&index=1
- 2. https://www.youtube.com/watch?v=c81tmb7WJxw&list=PLGs0VKk2DiYyThNvj6VyDFm0 nQ8ncXk8b&index=2

Submission

GIT HUB: https://github.com/99003684/Embedded Linux Submissions

Tasks done

Task.No.	Task	Done by
1.	Step by step configuration of BBB board and set	Poojashri N
	up in windows and linux	
2.	Differences between Raspberry pie, Dragon, im7	Reeshav Rout
	Sabre, BBB	
3.	Differences in different versions of BBB and	Reeshav Rout
	evolution of BeagleBone.	
4.	Pin expansion of BBB and peripherals of Bone	Manisha Chandra



Day 2 Activity:

• 1. Description

- 1. Testing MLO image on BBB and Testing U-boot image on BBB. Explain each and every section of stage in the learning report.
- 2. Spend some time in uboot area and execute the commands and also check for various environmental variables.
- 3. Learn and quote the linux boot sequence after the booting.

• Learning Outcome

- To learn about the testing of MLO images and analysed the logs in the terminal window.
- To understand the three bootloader stages and the environment variable uenv.txt file.
- To understand the branching and handshaking between files in boot sequence while booting.

Challenges

Working on Linux Kernel booting stage.

Resources

- 3. https://www.youtube.com/watch?v=UMEUo6Wm6u4&list=PLGs0VKk2DiYyThNvj6VyDFm0nQ8ncXk8b&index=1
- 4. https://www.youtube.com/watch?v=c81tmb7WJxw&list=PLGs0VKk2DiYyThNvj6VyDFm0 https://www.youtube.com/watch?v=c81tmb7WJxw&list=PLGs0VKk2DiYyThNvj6VyDFm0 https://www.youtube.com/watch?v=c81tmb7WJxw&list=PLGs0VKk2DiYyThNvj6VyDFm0 https://www.youtube.com/watch?v=c81tmb7WJxw&list=PLGs0VKk2DiYyThNvj6VyDFm0 https://www.youtube.com/watch?v=c81tmb7WJxw&list=PLGs0VKk2DiYyThNvj6VyDFm0 https://www.youtube.com/watch?v=c81tmb7WJxw&list=PLGs0VKk2DiYyThNvj6VyDFm0 https://www.youtube.com/watch?v=c81tmb7WJxw.distable. https://www.youtube.com/watch?v=c81tmb7WJxw.distable. https://www.youtube.com/watch?v=c81tmb7 https://www.youtube.com/watch?v=c81tmb7 https://www.youtube.com/watch?v=c81tmb7 https://www.youtube.com/watch?v=c81tmb7 https://watch?v=c81tmb7 https://watch?v=c81tmb7 https://watch?v=c81tmb7 https://watch?v=c81tmb7 https://watch?v=c81tmb7 https://watch?v=c81tmb7 https://watch?v=c

• Submission

GIT HUB: https://github.com/99003684/Embedded_Linux_Submissions

Tasks done

Task.No.	Task	Done by
1.	Testing MLO image on BBB and Testing U-boot	Poojashri N
	image on BBB.	
2.	executing the commands and checked for various environmental variables.	Reeshav Rout
3.	linux boot sequence	Manisha Chandra