

High Performance Embedded Systems
Assignment 1

Group #:	3
Final Grade:	107.50%

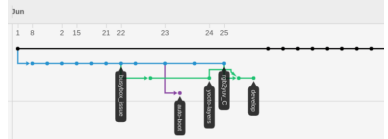
Part I: QEMU

Item	Description	Total	Grade	Comments
Full boot deliverables	- images/ - u-boot-qemu.log - linux-qemu.log - qemu_boot.log - video.txt	15%	15.00%	
Full boot execution	Correct execution of uboot, kernel and file system on QEMU based on video and local testing.	25%	25.00%	
Bonus	Add boot commands to u-boot environment	10%	10.00%	- Did not provide the modified file nor the patch file but anyway I forgot to explicitly ask for it.

Part II: Yocto & NEON

Item	Description	Total	Grade	Comments
Yocto meta-layer	Correct creation of the meta-tec layer and tec-image. Inherits from the console-image. Adds all new recipes into the tec-image and includes them in the final image.	5%	5.00%	- Image recipes are usually located at meta-layer/images/my_image.bb. It is not necessary to put them into recipes-core.
Yocto recipes	Correct creation of the following recipes: - rgb2yuv_c - rgb2yuv_intrinsics This includes correct build and installation of the binaries into the file system. Also it includes the presence of the required PDF documentation.	10%	10.00%	
Autotools usage	Correct usage of autotools for the compilation of the programs.	10%	10.00%	
Getopt implementation	Correct usage of getopt for the command line options	5%	5.00%	
Application implementation and functionality	The application meets with the requirements proposed and is totally functional providing the correct image conversion.	25%	25.00%	- In general, any release code shall be cleaned up. Any commented code is useless so it should be removed. - Needs some indentation. - When coding you need to stick to a code style, do not mix camelCase with snake_case

General

Item	Description	Total	Grade	Comments
Git control versioning	The delivery is correctly made using a git repository with the layout suggested and following the required work flow. User participation from all team members. Avoid using a unified commit or last hour commits (development must be continuous)	5%	2.50%	 <p>- Never merged to master branch, this is dangerous and a error prone development model and did not follow the suggested work flow.</p>