

Checklist for the Fulfillment of the MDE Requirements

Electrical Engineering Program

Charles L. Brown Department of Electrical and Computer Engineering

University of Virginia

To fulfill the major design experience requirements of the Electrical Engineering degree program, any section of ECE407 (MDE course for EE) or ENGR401/ENGR402 (Engineering in Context) must meet a set of minimal requirements as determined by the faculty of the department. This checklist helps to assess the fulfillment of these requirements and must be filled out by the instructor and filed in the student folder.

I. General Project Information

- Course Number/Semester(s)/Instructor:

- Title of the project:

- Team members:

- A brief description of the project:

- Where did the project originate?

Students Instructor External sponsor

- The project was performed primarily:

On campus Off campus

- Primary financial sponsor:

Uva Research grant Industry Other

If "Other", please explain:

- Has the project resulted in, or is expected to result in a (check all that apply)

Conference presentation journal paper intellectual property

- Please specify any awards that have been applied for or received by the project students

II. Specific Requirements

Please indicate the *extent* to which each of the requirements is *fulfilled*, on the scale of

- N/A Not applicable to this project
- 0 Did not perform, but should/could have
- 1 Attempted but did not complete
- 2 Completed
- 3 Completed to (almost) perfection

Requirement		Fulfillment by each student (N/A, 0-3)				
Address a real word problem						
Written project proposal	Problem statement					
	Project requirements					
	Formal specifications					
Oral presentation						
Considerations and constraints	Economic					
	Environmental					
	Sustainability					
	Manufacturability					
	Ethical					
	Health & Safety					
	Social					
Final report	Detailed design					
	Discussion of tradeoffs					
	Validation & verification					

III. Additional Notes:

IV. Signature and date by the Instructor