Mini Project #1 Rubric

Mini Project #1

	Mini 1	Projec	t #1			
Criteria	Ratings			Pts		
This criterion is linked to a Learning Outcome <i>Bits to Symbol Conversion</i> This step which involves taking the input bit stream(from the initial text) and mapping it to symbols according to the 3GPP Ts 36.211.	2 pts Full Marks If all steps are performed correctly.	Full Marks If all steps are or more of the performed Partial Correctness Partial grading if one or more of the included schemes (So Marks If none of the modulation schemes are			2 pts	
This criterion is linked to a Learning Outcome Serial to Parallel Conversion Based on the OFDM system description, sub carrier bandwidth and system bandwidth gather number of channels and perform serial to parallel conversion of input vector symbol stream.	1 pts Full Marks If serial to pare conversion performed correctly	allel	No limple are r		rectly and there es in calculation	1 pts
This criterion is linked to a Learning Outcome <i>IFFT</i> doing the IFFT on the Parallelized data.	1 pts Full Marks done correctly			0 pts No Marks done incorr	ectly.	1 pts

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Criteria	Ratings		Pts	
This criterion is linked to a Learning Outcome <i>Cyclic Prefix addition</i> Calculating the correct number of samples to copy and add to the head of each OFDM symbol that you now have after performing	1 pts Full Marks if done correctly			1 pts
This criterion is linked to a Learning Outcome OFDM Output Buffer Gathering all the transmit OFDM symbols (each transmit symbol is an CP + OFDM symbol) that you have generated now into a mat file and providing that to us for testing AND the vector containing your input bit stream.	1 pts Full Marks File generated	l correctly	0 pts No Marks File not generated correctly	1 pts

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Criteria	Criteria Ratings		Pts	
This criterion is linked to a Learning Outcome Aesthetics Code runs, performance is fast and efficient. Variables are defined coherently (with good names). Comments are included. Values are not hard coded. Indenting the code. Quality of execution.	2 pts Full Marks If description is met satisfactorily.	2 to >0 pts Partial Grading Scheme Points given based on 1 or more missing pieces as given in the description.	2 pts	