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Electronic steering wheel develompent for a Formula Student race car

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As technology and the pace of change continue to advance, the academy faces the challenge of preparing students for future employment markets characterized by change and uncertainty. To succeed in this market, practitioners need to develop a broad range of skills in addition to more refined practices within traditional disciplines. In this paper, we discuss the benefits achieved through design and development of a steering wheel among students participating in the Formula Student project, an international competition where teams design and build a racecar while overcoming challenges faced along the way. We analyze the framework, embedded component arrangement, methods and processes used by the Bucharest UPBDrive racing team, along with the outcomes and critical lessons learned for the next competition.

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