A Few Words From This Year’s Winners...

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“Share an example of what you are doing, within your domain/classes, to engage students in order to enrich their learning journeys.”

One of the classes I teach is Analog Electronics and my favourite activity in this class is a laboratory session in which each student has three hours to build a working radio transmitter from basic parts like transistors, resistors, capacitors, and inductors. This is a difficult challenge for the students, and I make it even more challenging for them by assigning a different broadcast frequency to each student, which means every circuit is different. It is a strictly outcome-based task—students do not receive lab marks until their circuits work, which encourages students to come to class prepared. Designing and building a radio transmitter is a complicated task requiring sophisticated know-how; it is one of those tasks that makes an electrical engineer feel like an electrical engineer, and the act of bringing together multiple skills that they have learnt to build a working circuit is deeply satisfying for both student and lecturer. Occasionally, I have seen students go on to build even better transmitters on their own after class, just because they were interested and motivated. This makes for fun and fruitful learning.