Design of an Advanced LED Fixture for Horticultural Applications

Status: Available

Group Members:

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horticultural applications equipped with appropriate sensors including
dioxide, tilt, sonar, and light sensors. The fixture will be used in
horticultural light fixtures leading to more precise sensing, diagnostics
in greenhouses. Such technologies can lead to economically vi
unprecedented benefits in terms of efficient use of space, water, and

As a part of the R&D activity, the student team will develop an a
associated electronics and embedded firmware. The team will work
horticultural LEDs, power drives, and various other sensors. The d
different components will be conducted by the team such as PCB
thermal analysis, heat-