



Kavya Udupa
BSE'19

**Professor
Toby Cumberbatch**
FACULTY ADVISOR

SOCIALITE LIGHTING SYSTEMS

SocialLite works to distribute affordable, solar powered, portable light sources and mobile phone charging facilities to extremely impoverished, remote communities in less industrialized countries. These lighting systems are specifically designed for unskilled assembly, typically under a mango tree, close to the point of end use. The current lantern housings, comprising waste plastic containers, are manufactured by eye leading to poorly matched parts. The metal templates on display—adjustable to match the local waste streams—yield uniform components and significantly reduce lighting system assembly times. These prototypes are to be field tested in Northern Ghana and Southern India later this year.

