

## **An assembly manual for solar cell-based laptop charger - Information regarding**

Greetings from All India Council for Technical Education..!!

IIT Bombay releases an assembly manual for solar cell-based laptop charger to help students suffering from prolonged power cut during their online classes:

Please use the following link for Manual: <https://bit.ly/2FUu9zs>

COVID-19 pandemic has caused the in-person lecture delivery to shift to online mode for several educational institutes across the world. In India, a significant number of students are facing disruptions in remotely attending the online lectures due to unreliable/intermittent electricity connection.

This manual provides some low cost, Do It Yourself (DIY) solutions for Students to address this problem using off-the-shelf components. The intent of this manual is to provide an alternative, solar-based solution wherein the students could use their existing chargers to charge their smartphones/laptops. The solutions in this manual are presented in such a way that the

students themselves can procure the components, and perform assembly and basic maintenance of the systems. This manual is prepared by the National Centre for Photovoltaic Research and Education (NCPRE) at the Department of Electrical Engineering, Indian Institute of Technology Bombay (IITB). Our special thanks to Prof. Narendra Shiradkar and Kedar Deshmukh for creating this manual.

In view of the above, AICTE requests you to kindly disseminate this information among students & faculty members so they can avail the benefits of this innovative solar cell based laptop charger.

For more details you may contact to below:-

Subhasis Chaudhuri

Dept of Electrical Engineering

Indian Institute of Technology Bombay

Powai, Mumbai 400076

URL: [www.ee.iitb.ac.in/~sc](http://www.ee.iitb.ac.in/~sc)

Ph: 022-2576-7000