

# **SOLAR CAP WITH MOBILE CHARGING**

## **ABSTRACT**

As the population is increasing, the need for fossil fuels or non-conventional energy sources are also increasing. But fossil fuels require millions of years to form deep inside the earth. These non-conventional energy sources are depleted and can sustain only up to a few decades. Hence use of alternative forms of energy sources are essential to compensate non-conventional resources. Renewable sources of energy such as solar energy, wind energy, hydro power, etc. are abundant in nature and can generate enormous amounts of power or energy which can be used for various applications.

The reason behind the focus on this is because it is very commonly used in summer and in sports game like golf, cricket, and badminton. Even the people who are working outdoors, tourists and those who are willing to climb mountains basically prefer a cap for preventing from huge sunshine. Particularly in summer to prevent sunstroke solar cap is the best gift as it lowers the temperature and makes facial condition sound. The novel design is also fun for kids and beneficial to all kind of ages. This type of solar cap with fan technology is an efficient & intelligent way to protect the face from high temperature. Using solar cap, one will get to meet the desire cooling to the face using renewable energy.

Solar cap can also be used for charging various devices such as mobile phones, air-pods, etc. Each one of us are dependent on technology and especially on mobile phones. Hence, this cap is useful in charging mobile phones with instant power supply generated with the help of the solar cap. This is helpful even in remote areas as it requires only sunlight. Thus, solar cap is quite reliable and cost-effective many people who are travel enthusiast, people who live in remote areas and also to people who usually are into trekking and climbing.

**BHUMIKA K RAMESH (1RR21EE004)**

**VISHAL G (1RR21EE013)**