

## **Institutional Distinctiveness**

### **SETTING UP ROOFTOP SOLAR PANEL IN THE COLLEGE AS A GREEN ENERGY INITIATIVE**

Although there has been much progress in the use of renewable energy and energy efficiency, and expanding energy access over the past decade, the world is not on track to meet international climate goals established under the Paris Agreement, or international goals for sustainable development. We are facing a climate crisis: the IPCC 2018 Special Report on 1.5°C found that roughly a decade remains to keep global warming below this level and avoid the worst effects of climate change. Most countries are still subsidising the consumption of fossil fuels, and fossil fuel consumption reduced 11% in 2017. Urgent action is needed now to change our energy systems. Moreover, we will never meet the objectives under UN Sustainable Development Goal 7, for increasing renewable energy, energy efficiency, and energy access if we continue our current energy path. Renewable energy is central to achieving these international goals.

The college has set up ‘10kWp Rooftop Grid Connected Solar Photovoltaic Power Plant’ on the roof of the Commerce building of the college during 2019-2020. It is a green energy initiative for the better environment on the part of the college. Department of Environment, Govt. of West Bengal and West Bengal Pollution Control Board have extended financial as well as technical support to the college in this regard. As a result of this venture the dependence of the college on conventional energy becomes lessens. The project also helps in reducing pollution in the environment of the college. The points behind taking such a green energy initiative are -

- Combating climate change. The burning of fossil fuels for energy results in a significant amount of greenhouse gas emissions that contribute to global warming. Most sources of renewable energy result in little or no emissions, even when considering the full life cycle of the technologies.
- Reducing air pollution and improving public health by decreasing pollution and emissions.
- Renewable can offer lower costs and stable energy prices.
- There are also opportunities for the development of local industry, and job increase.

The venture proves to be a successful endeavour to sensitize the learners as well as other stakeholders of the college of the importance of reusable energy / alternative energy in the crisis ridden period. It also lessens the financial burden of the college for electric consumption. Besides it reduces the use of conventional sources of energy within the campus. It remains as source of stock energy for the college as and when the supply of traditional power / electricity is cut down due to natural calamities.