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Climate change and environmental degradation are the major concerns of the present world. Various factors like water scarcity, fossil fuels, excessive pollution, global warming, and biodiversity loss are the causes of environmental degradation. To provide innovative solutions to such environmental issues, many colleges and universities worldwide offer renewable energy degrees.

We need to take the necessary actions to prevent climate change and live in a clean world. It is also our responsibility to save the environment for future generations to come. Sustainable energy is one of the solutions to the problem of environmental degradation. In today's world, energy consumption is massive. We use energy for lighting, manufacturing, transportation, infrastructure, heating/cooling, etc. The excessive use of non-renewable energy such as oil, natural gas, petroleum, coal, etc., is causing harm to the environment.

To make use of sustainable energy, we must consider the alternatives like renewable energy and energy efficiency. Using energy resources like solar, wind, hydro, biomass, geothermal, etc., can prevent the environment from worsening. On the other hand, energy efficiency uses less energy to produce the same amount of energy services.

## **Renewable Energy as a Career**

With the growth of innovative technologies, it is easier to produce and utilize alternative energy resources. The study of this energy technology is growing. Similarly, careers in them are increasing. Graduates and undergraduates have the option to choose sustainable energy as their career path. Further, many colleges and universities worldwide have started including renewable energy degrees as a significant course for their students.

When we talk about a career in this energy, it mainly includes the study of hydro energy, solar power, biomass, bioenergy and biofuel, wind energy, and recycling.

Among these, hydro energy, solar panels, and wind farms create many job opportunities for graduates.

## **Renewable Energy Degrees**

With renewable energy degrees, graduates can work and build a promising career in energy studies. The study of this energy has the ultimate goal to save the environment and prevent its organisms from the damage caused. This sector will see massive growth in the years to come. The universities are also likely to promote energy studies more in the coming years.

Students can choose energy studies at different levels of their careers. They can obtain Associates degrees, Bachelor's degrees, Master's degrees, and doctorate degrees in energy studies.

## **Renewable Energy Jobs**

The energy sector creates many jobs for graduates. This sector requires a skilled workforce in different fields. Among them, the essential ones are engineers, technologists, and project managers. Further, this sector also involves business analysts, consultants, architects, designers, and researchers.

These jobs require specific skills in context to their respective positions. For example, engineers focus on design and manufacturing. Similarly, project managers focus on the life cycle development of projects. According to the International Energy Agency, solar energy will potentially expand its renewable energy by 50 percent by the year 2024. It will create more jobs in the solar energy sector.

Graduates will have many career paths in renewable energy technology development. A single project requires people from different backgrounds with different skill sets—from designers to developers, managers to analysts, and environmentalists to sales representatives.

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