

WORKSHOP ON GREEN RENEWABLE ENERGY FOR SMART CITIES

Date: 17/09/2021
Semester: 7th, Civil
Engineering Department



Civil Engineering Department Workshop Report

Objective-

The main objective of the Workshop was to explain the basics of Green energy type that is generated from natural resources, such as sunlight, wind or water. This workshop would enable the students to aware about the use of green energy. To provide the knowledge of beyond the syllabus in the subject of Infrastructure for smart cities this workshop has been conducted.

Summary:

In the first session, it was discussed the source of energy, green energy often comes from renewable energy technologies such as solar energy, wind power, geothermal energy, biomass and hydroelectric power. Each of these technologies works in different ways, whether that is by taking power from the sun, as with solar panels, or using wind turbines or the flow of water to generate energy. In order to be deemed green energy, a resource cannot produce pollution, such as is found with fossil fuels. This means that not all sources used by the renewable energy industry are green. For example, power generation that burns organic material from sustainable forests may be renewable, but it is not necessarily green, due to the CO₂ produced by the burning process itself. Green energy sources are usually naturally replenished, as opposed to fossil fuel sources like natural gas or coal, which can take millions of years to develop. Green sources also often avoid mining or drilling operations that can be damaging to eco-systems.

Feedback from Participants	Out of 10 (Average)
(a) Knowledge	9.3
(b) Practical Experience	9.5
(c) Duration	9.2
(d) Expert Knowledge and Experience	9.2



Course Participant:

Workshop was organized for the students of 7th semester, Civil Engineering Department.

Total of 32 participants participated and each one was explained the meaning of green renewable energy and use of new technology in smart cities.

Workshop In charge:

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