

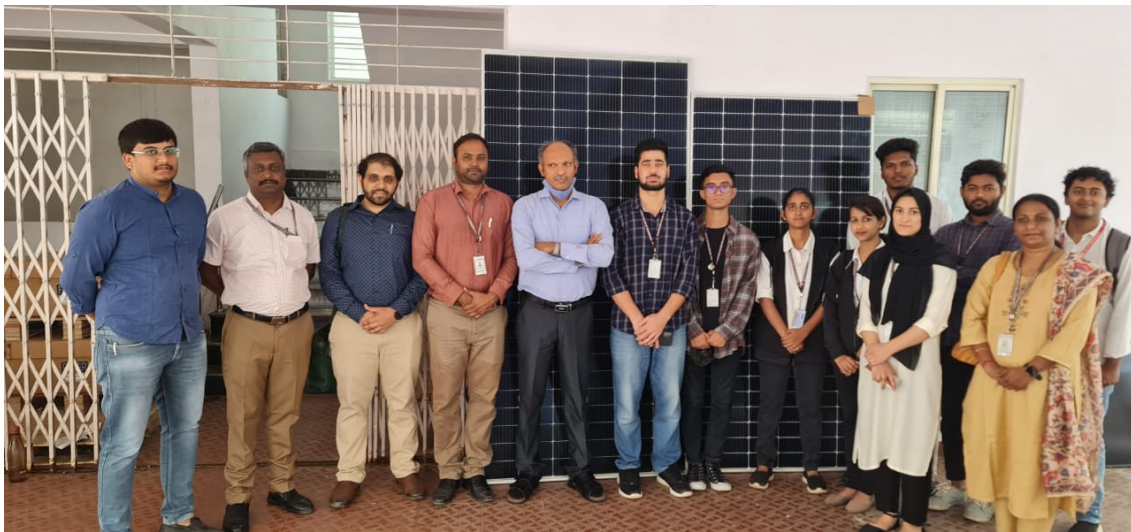


# NEW HORIZON COLLEGE OF ENGINEERING

Department of Electrical and Electronics Engineering

## Report on industrial visit to RenXSol Ecotech Private Limited

The Department of Electrical and Electronics Engineering of the New Horizon College of Engineering organized an industrial visit to RenXSol Ecotech Private Limited on 13<sup>th</sup> and 14<sup>th</sup> September 2022, which is one of the 400 solar companies in Bengaluru, Karnataka, India. This was done as a part of the Global Program that offers value courses to students to enhance their knowledge and skills. This industrial visit was organized as a part of a course Solar PV System Design.



This was a two-day session to the company and these were the events that followed: -

**Day-1:** -There was an introduction session that was given by **Mr. Srinivas Kumar**, who is the founder and Chief Executive Officer (CEO) of RenXSol Ecotech Private Limited. Mr. Srinivas Kumar has been in the solar field for the past 33 years and has commissioned many projects such as the first solar power plant in India and the repairing of 300 faulty solar pumps. This was a very insightful introduction session where we learnt the basics of solar power. He explained that A solar cell panel,



solar electric panel, photo-voltaic (PV) module or solar panel is an assembly of photo-voltaic cells mounted in a framework for installation. Solar panels use sunlight as a source of energy to generate direct current electricity. A collection of PV modules is called a PV panel, and a system of PV panels is called an array. Arrays of a photovoltaic system supply solar electricity to electrical equipment.

Keywords: photo-voltaic (PV), Arrays of PV modules, Module interconnection

**Day-2:** -The second day was a practical session where we got to view the 40 Kilowatt on-grid solar power plant that was installed on the rooftop of the building. Besides, we also got an opportunity to closely view the solar equipment and learnt a lot of things. The second day's session was undertaken by **Mr. G D Kulkarni** who was very patient and answered all the questions put forth by the students. We then got the opportunity to see the net-metering systems, solar panels, inverters, batteries that provided us a lot of knowledge in the field of solar energy.

Keywords : Inverter, Optimizer, microinverter



This interactive session was very insightful and enjoyable and all the concepts were represented to us in a very nice way.

The students of the Department of Electrical and Electronics Engineering of the New Horizon College of Engineering are grateful to have gotten this opportunity to learn such insightful things. Ms. Kavitha.C.H, Dr. Joshua Daniel Raj. J, Dr. Prabhakaran.N and two Para teaching staffs have accompanied the students.

## Impact Analysis

<b>SL. NO</b>	<b>EVENT NAME</b>	<b>DATE</b>	<b>NO. OF PARTICIPANTS</b>	<b>IMPACT ANALYSIS</b>
<b>1</b>	Industrial Visit to RenXSol Ecotech Private Limited, 1st Floor, 393, 2nd Cross Rd, Dollars Colony, Phase 4, J. P. Nagar, Bengaluru, Karnataka 560078	13 /09/2022 & 14/09/2022	<b>24</b>	PO6,PO7,PO8,P O9,PO10,PO11, PO12  PSO1,PSO2,