



Uka Tarsdia University

Mechanical & Automobile Engineering

Department, CGPIT

Field Visit / Industrial Visit

Goldi Solar, Navsari

Date: 21st January, 2025

Venue: Goldi Solar, Navsari

Time: 10:20 am to 12:45 pm

Total No. of Participants: 21

Event Coordinator: Dr. Hiren Shah

Program objective: To understand the Solar PV assembly system

Program outline:

- Introduction to Solar PV Industry.
- Solar PV Assembly System Tour.
- Interactive Q&A Session

Program outcomes:

- **Understanding Solar PV Assembly:** Participants will gain a comprehensive understanding of the Solar PV assembly system, including the key steps involved, technology used, and quality control processes.
- **Exposure to Industry Practices:** Attendees will get exposure to real-world industrial practices and standards in solar panel manufacturing, enhancing their practical knowledge of renewable energy production.
- **Increased Awareness of Renewable Energy:** The visit will foster greater awareness of the importance of solar energy in the context of sustainable development and energy conservation. Participants will understand how the solar industry contributes to reducing the carbon footprint.

Schedule of Event

Time	Activity
10:20 am	Reached to Company premises
10:30 am	Muster Entry Completed
10:35 am	Visit Started
12:30 pm	Visit Completed
12:40 pm	Memento Given
12:45 pm	Started Return Journey from Navsari

List of Students

Name of Participant	Enrolment No	Stream	Name of Program
Meet Jatin Roopawala	202103103510123	B.Tech	Automobile Engineering
Zubin Keyur Shah	202103103510339	B.Tech	Automobile Engineering
Dhruv Umeshkumar Gandhi	202203103520097	B.Tech	Automobile Engineering
Vrushank Maheshbhai	202203103520161	B.Tech	Automobile Engineering
Dharmeshkumar Shankarbhai	202203103520162	B.Tech	Automobile Engineering
Divyangbhai Chhaganbhai	202203103520164	B.Tech	Automobile Engineering
Aryan Pravinbhai Patel	202103103510144	B.Tech	Mechanical Engineering
Cherag Nilesh Mistry	202203103520006	B.Tech	Mechanical Engineering
Meet Umeshbhai Tank	202203103520007	B.Tech	Mechanical Engineering
Tiger Bhanupratap Dhananjay	202203103520013	B.Tech	Mechanical Engineering
Nishith V Gandhi	202203103520020	B.Tech	Mechanical Engineering
Parth Gautamkumar Panchal	202203103520042	B.Tech	Mechanical Engineering
Priyank Sanjaybhai Ranoliya	202203103520050	B.Tech	Mechanical Engineering
Kunal R Salunke	202203103520063	B.Tech	Mechanical Engineering
L S Ram Anil P	202203103520067	B.Tech	Mechanical Engineering
Lalit B Purohit	202203103520075	B.Tech	Mechanical Engineering
Khush Jayesh Wadia	202203103520119	B.Tech	Mechanical Engineering
Brijesh R Patel	202203103520138	B.Tech	Mechanical Engineering
Mihir Jayeshkumar Modi	202203103520143	B.Tech	Mechanical Engineering
Aryan N Kumawat	202103103510051	B.Tech	Mechatronics Engineering

Event Introduction:

On January 21st, 2025, Goldi Solar, a company based in Narsari, India, facilitated a field visit for final year B.Tech Mechanical and B.Tech Automobile engineering students. Led by Goldi Solar's Assistant Manager HR, Ms. Nimish Champaneris, the visit aimed to bridge the gap between theoretical knowledge and practical application in the field of renewable energy. By providing students with real-world exposure to solar PV modules and solar systems, the event offered valuable insights that will be crucial for their academic and professional development. Mr. Lad, the Deputy Manager of Goldi Solar's Production

Department, also played a key role in enriching the students' experience by providing in-depth explanations throughout the visit. Dr. Hiren Shah, a faculty member, also accompanied the students on this educational excursion.

Key Highlights:

- Students observed the entire Solar PV module manufacturing process, including assembly, lamination, and testing, gaining valuable insights into renewable energy technologies.
- Expert-led sessions by Mr. Lad (Deputy Manager, Production Department) and Ms. Nimish Champaneris (Assistant Manager HR) provided detailed explanations of production workflows, quality assurance, and performance optimization.
- The visit emphasized the role of advanced engineering techniques and material selection in creating high-efficiency solar energy systems.

Overview of Schedule:

- The visit began with an introduction to Goldi Solar's facilities, followed by a guided tour of the production units where students observed processes like soldering, module assembly, packaging, and quality testing.
- Key highlights included demonstrations of the solar cell cutting machine, laser machine operations, and fully automated systems that streamline production and enhance efficiency.
- The tour also included a visit to the photo gallery showcasing Goldi Solar's achievements and a discussion on planning for the Sisodara and Kosamba plants, giving students insight into strategic expansion in the renewable energy sector.

Notable Discussions:

- The use of advanced automation and laser technology in Solar PV manufacturing to improve precision, reduce waste, and optimize production timelines.
- The importance of robust quality check systems to ensure the reliability and longevity of solar modules, including insights into testing procedures and standards.
- Future trends in solar energy engineering, focusing on automation, innovative design techniques, and the integration of sustainability in manufacturing practices.
- Career opportunities in solar energy engineering, with emphasis on research, design, and quality assurance roles for upcoming engineers.

Overall Success and Impact:

The industrial visit to Goldi Solar provided an in-depth understanding of solar PV module manufacturing, emphasizing the use of state-of-the-art technology such as solar cell cutting machines, laser machines, and automated systems. Students gained valuable insights into soldering, packaging, and quality assurance processes, as well as strategic planning for plant expansions. This practical exposure not only bridged the gap between theory and application but also inspired students to explore innovative and sustainable solutions in the renewable energy sector.

Photo Gallery:







Industrial Visit

Goldi Solar

Navsari Factory



Mechanical & Automobile Engg. Dept.

C G Patel Institute of Technology

January 21, 2025

Maliba Campus, Bardoli



Concluding Remarks

- The objectivity of the program as per the NAAC criteria
- Mention the NAAC criteria and its relevance.

Industrial visits primarily fall under the following criteria of NAAC:

- **Criterion 4: Infrastructure and Learning Resources**
This criterion assesses the adequacy and utilization of infrastructure and learning resources, including external resources such as industrial visits, to enhance the quality of education and student learning outcomes.
- **Criterion 5: Student Support and Progression**
This criterion evaluates the effectiveness of student support services, including career guidance and counseling, in facilitating student progression and ensuring their holistic development. Industrial visits play a crucial role in providing students with exposure to industry practices and potential career pathways.

Media Coverage

- Instagram Link: https://www.instagram.com/p/DFKe4YWythr/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWF1ZA
- Facebook Link: <https://www.facebook.com/share/p/1GA6JC3QYD/>

Report prepared by:

Dr. Hiren A. Shah

Date: 24th January 2025

Sign of the HOD

Prof. Darshan A. Kapadia

Sign of Director

Prof. B. M. Vadher

Concluding Remarks

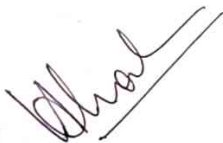
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Report prepared by:
Dr. Hiren A. Shah
Date: 24th January 2025



Sign of the HOD
Prof. Darshan A. Kapadia



Sign of Director
Prof. B. M. Vadher

C G Patel Institute of Technology, UTU, Bardoli
Industrial Visit at Goldi Solar, Navsari

Semester 8th

Date: January 21, 2025 (Tuesday)

Enrollment No	Student Name	Course & Branch	Present / Absent
202103103510051	Aryan Navratanmal Kumawat	B.Tech Mechatronics	<i>Karigan</i>
202103103510082	Kaushal Pandya Pandya	B.Tech Mechatronics	Absent
202103103510158	Harsh Shaileshkumar Tailor	B.Tech Mechatronics	Absent
202103103510461	PRAMOD SHYAM RAJPUT HITEN	B.Tech Mechatronics	Absent
202103103510513	SAKSHI NILESH JARIWALA	B.Tech Mechatronics	Absent
202203103520001	Aash Shrujit p kothari Kothari	B.Tech Mechatronics	Absent
202103103510144	Aryan Pravinbhai Patel	B.Tech Mechanical	Absent
202103103510261	Shashank Kantibhai Rohit	B.Tech Mechanical	Absent
202203103520006	CHERAG NILESH MISTRY	B.Tech Mechanical	Absent
202203103520007	MEET UMESHBHAI TANK	B.Tech Mechanical	<i>C. N. Mistry</i>
202203103520013	TIGER BHANUPRATAP DHANANJAY RAI	B.Tech Mechanical	<i>Agar</i>
202203103520020	VIMAL KUMAR GANDHI NISHITH	B.Tech Mechanical	<i>Donor</i>
202203103520026	Viraj Amar Desai	B.Tech Mechanical	<i>Donor</i>
202203103520042	Parth Gautamkumar Panchal	B.Tech Mechanical	<i>Adith</i>
202203103520050	PRIYANK SANJAYBHAI RANOLIYA	B.Tech Mechanical	<i>Priyank</i>
202203103520063	KUNAL RAJESH SALUNKE	B.Tech Mechanical	<i>Kunal</i>
202203103520067	L S RAM ANIL P	B.Tech Mechanical	<i>Ram</i>
202203103520075	LALIT BHAGVATILAL PUROHIT	B.Tech Mechanical	<i>Lalit</i>
202203103520098	Brijesh A Bhatia	B.Tech Mechanical	Absent
202203103520119	KHUSH JAYESH WADIA	B.Tech Mechanical	<i>Kush</i>
202203103520138	BRIJESH PRAKASHBHAI PATEL	B.Tech Mechanical	<i>Brijesh</i>
202203103520143	MIHIR JAYESHKUMAR MODI	B.Tech Mechanical	<i>Mihir</i>
202103103510123	MEET JATIN Roopawala	B.Tech Automobile	<i>Meet</i>
202103103510339	Zubin Keyur Shah	B.Tech Automobile	<i>Zubin</i>
202103103510340	Arpan Debdas Nandi	B.Tech Automobile	Absent
202103103510413	MOHAMMADRIZIN MAKSUDAHMEDKHAN PATHAN	B.Tech Automobile	<i>Mohammed</i>
202203103520069	JITEN CHETAN KAPADI	B.Tech Automobile	Absent
202203103520095	BHUMIN NILESHBHAI PATEL	B.Tech Automobile	Absent
202203103520097	DHRUV UMESHKUMAR GANDHI	B.Tech Automobile	<i>Dhruv</i>
202203103520161	VRUSHANK MAHESHBHAI CHAUDHARI	B.Tech Automobile	<i>VRUSHANK</i>
202203103520162	Dharmeshkumar Shankarbhai Gamit	B.Tech Automobile	<i>D. S. G</i>
202203103520164	DIVYANGBHAI CHHAGANBHAI CHAUDHARI	B.Tech Automobile	<i>Divyanshu</i>

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Exam

Medical

CEED Exam



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