Placement Experience for Quant Solar Pvt. Ltd.

1) Brief introduction and description of the offered role:

I am **Devkishan Khatri**, a dual degree **2025 graduate** and **Silver Medallist** from the **Department of Ocean Engineering and Naval Architecture**, IIT Kharagpur. I received a placement offer from **Quant Solar Pvt. Ltd.** for the position of **Graduate Engineer Trainee (Naval Architect)**. I also secured a **perfect 10.0 SGPA in my 10th semester**, reflecting my consistent academic dedication and interest in the field.

The work involves contributing to the design and structural analysis of floating solar platforms. Apart from general naval architecture work, the role specifically includes tasks like **mooring analysis** and **CFD (Computational Fluid Dynamics) analysis** — both of which are critical for ensuring the stability and performance of floating solar systems. This opportunity allows me to directly apply my academic background in a growing renewable energy field.

---

2) How did you get into Quant Solar? What was the selection procedure?

The selection process for Quant Solar was as follows:

- **CV Shortlisting**: Based purely on the department (only candidates from Ocean Engineering and Naval Architecture were considered). (Around 20 peoples shortlisted for GD)

- **Group Discussion (GD)**: Topic was related to **renewable energy**. It was aimed at testing awareness, communication, and clarity of thought. (Around 50 % Eliminated during GD round)

- **Technical Interview**: Included **CV-based questions**, in-depth project discussions, and internship experience (focus on work which I did using orcaflex software with python) , and **1–2 aptitude questions**. For example, I was asked:
  "How many squares are there in a chess board (8x8)?"
  The answer is **204** (not just 64 — includes all smaller square combinations).

---

3) How to prepare for them?

- Have a **strong understanding of your BTP, MTP, and internship experiences**.

- Know your **academic projects** in detail with basic understanding.

- Be comfortable talking about any **software tools** you've used — this is a bonus point. (ex- Orcaflex, Staad, Autocad)

- Make sure your **CV is neat, clear, and honest**.

- They'll also check how well you can apply your technical skills to real-world problems.
- Be Confident during GD as well as in technical interview.

---

4) When did you start preparing for this role and what is the ideal time for aspirants to begin their preparation?

I started focused preparation around **2–3 months before the placement season**. However, the foundation is laid throughout your academic journey.

As for ideal preparation time — first, I know many students feel **confused about whether to go into a core field or not** (I was also a little confused). So the first step is deciding if you're truly interested in the **core sector**.

Before your **internship period**, try to figure this out. You don't have to know whether you'll go into the **renewable energy** or **oil & gas** sector, but at least be sure you want to work in the **core industry**.

If you're sure about it, aim for internships in **relevant organizations** like **IRS (Indian Register of Shipping)**, **TechnipFMC**, or **Quant Solar**. Having **prior experience in the core sector** makes your case much stronger during interviews.

---

5) What difficulties did you face while preparing for this Company/Profile? How did you overcome them?

One of my biggest challenges was choosing between a **data- profile** (like data scientist/analyst) and a **core profile**. Though I was interested in core but very **few number of companies** were coming for core roles, and **packages** were generally lower than data roles.

To tackle this, I started preparing for **both**. Before internship, I was fully set on data. But during the internship, I saw the **scope and potential of the core field**, both in **India and abroad**. After that, I was **50-50** and made **two CVs** — core as well as data. And start preparation for both profiles strongly.

From **September to November**, around **80–85%** of my focus was on data companies (due to their high volume of tests). However, by **December 1st**, I was ready for both.

I gave interviews for both types of roles:

- **KLA** (Product Engineer)
- **Rekise Marine** (Core)
- **Nation with Namo** (Data Scientist)
- **Quant Solar** (Core – selected here)

Another important point: **before any interview, study the company's work and domain**. It makes a big difference.

---

6) Are there any specific requirements such as department, CGPA, or other criteria for this position? Additionally, do certain PORs or EAAs enhance one's chances of securing this internship?

Yes, they **shortlisted only from the Ocean Engineering and Naval Architecture department**. No official CGPA cutoff was announced, but having a **decent academic record (8.0+ CGPA)** is definitely helpful.

PORs and EAAs were not the main focus, but **relevant technical experiences** — like internships, BTPs, and software skills — added value. Management roles like **hall secretary or general secretary** can also demonstrate responsibility and leadership, which are additional positives.

---

7) According to you, who should ideally apply for this job?

Anyone from the **Naval Architecture** background(Btech, dual degree or mtech) who is interested in **core jobs** should definitely apply.

You don't need to have prior experience specifically in **sustainable energy** or **offshore structures**. But if you're excited about **designing**, **CFD analysis**, and **mooring analysis**, then this role will suit you very well.

---

8) Kindly attach your CV/Resume. What are some of the major points you think would be valid to mention in the CV while targeting this profile?

cv_Dev.pdf (attached cv)

Some important points to highlight in your resume for this role:

- Relevant **academic projects or internships** related to **design**, **offshore structures**, or **fluid dynamics**.

- A well-explained **BTP** — and if it relates even slightly to the company's work, highlight that connection (it's a bonus).

- Experience or knowledge of software tools like **ANSYS**, **AutoCAD**, **STAAD**, and **OrcaFlex** (try to get at least a basic idea of how they work).

- Any certifications in **renewable energy** or **offshore engineering** are good to have, but **not mandatory**.
- should be prepared to answer every single question from cv. every single word.

---

9) Lastly, what advice would you like to give to the students aiming to grab CDC placements this year?

- **Start early** and be **consistent**.

- Send your **CV to seniors for review and feedback**, especially based on the company you're targeting.

- **Choose your target profiles** early — don't keep switching focus.

- Take the placement process **seriously** from the beginning.

- Keep your **overall CGPA strong** — it's a very important factor for many companies.

- Reach out to seniors if you need help — most of us are happy to guide you.

Feel free to contact me(email or ping me in linkdin) if you have any doubts or need support during preparation.

📧 **Email:** devkishankhatri2411@gmail.com

Best wishes,

Devkishan Khatri