SOLARAI CHATBOT

*General Module*

*Script Draft v0.0*

# OVERVIEW

The script below serves a basis for the overall flow of the SolarAI Chatbot. Since this is the first version of the script, the wording will be modified in places and there may be some changes to content as we proceed. Please note that this script only serves as a means to empower the NLU that will be incorporated in the Chatbot. Thus, this script may contain some directional discrepancies. However, the NLU powered AI Chatbot will be similar in functionality and logic.

# SCRIPT

Salam, this is Sunny 🌞 an intelligent chatbot powered by SolarAi ⚡

I can help you find out how much you can save on your electricity bills 💵 while helping out our planet 🌏

I will also help answer general queries relating to offsetting expensive & unstable grid energy 💥 with cheaper planet-friendly solar energy 🙋‍♂

**Main Menu:**

Please choose from the following options 👇

1. **Benefits of planet-friendly Solar Energy 🚀**
2. **Quick self-assessment of your solarization potential 🚦**
3. **Learn more about SolarAi and my human coworkers 💁**

💡Tip: You can just type 1, 2, 3, to make a selection.

👉 Type **‘Menu’** at any time to return to the main menu 🔝

👉 Type **‘Up’** at any time to return to the current sub-menu 🔝

👉 Type **‘Sunny, quote me’** at any time to get a custom quote 🌞

👉You can type **‘End’** at any time to close the chat 🔚

[Selection ‘End’ at any time should prompt: **It was nice texting with you** 🌞 **Come back again later for more details and offers.**]

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***[SELECTION: 1.* Benefits of planet-friendly Solar Energy 🚀*]***

**“Solar power is the last energy resource that isn't owned yet - nobody taxes the sun yet.”** 🌞

World typically produces around 51 billion tons of Carbon Emissions every year, and the power sector alone contributes to about a quarter of these emissions. 💨

There is no path to deep decarbonization without involving the clean power sector, and there is no path to clean power without deploying significant Solar energy. ❗

With the increase in energy demands and grid rates, solar may be the best option for both your home and business.

You may select any of the following options to know more about solar energy! 👇

1. **Why should I go solar?**
2. **How do solar panels work for my home?**
3. **What are my solar financing options?**
4. **Am I ready for solar?**

👉 Type **‘Menu’** at any time to return to the main menu 🔝

👉 Type **‘Up’** at any time to return to the current sub-menu 🔝

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👉You can type **‘End’** at any time to close the chat 🔚

***[SELECTION: 1.1.* Why should I go solar?**👇***]***

1. **What are the financial benefits of solar energy?**
2. **What are the environmental benefits of solar energy?**
3. **How do I find out how much I pay for electricity?**
4. **What is net metering?**

👉 Type **‘Menu’** at any time to return to the main menu 🔝

👉 Type **‘Up’** at any time to return to the current sub-menu 🔝

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***[SELECTION: 1.1.1.* What are the financial benefits of solar energy?**👇***]***

When you install a solar energy system on your property, you save money on your electricity bills instantly 💸 and protect yourself against rising electricity rates in the future. 😱

How much you can save depends on the utility rates and type of Solar PV system, but going solar is a smart investment regardless of where you live.

Typical payback period for home users is **around 3 years** for net-metering solar systems. And typical levelized cost of energy for Commercial & Industrial Solar PV plants is **under PKR 3** over the lifetime of PV Plant. 💡

***[SELECTION: 1.1.2.* What are the environmental benefits of solar energy?**👇***]***

Solar power, like other renewable energy resources, has many environmental and health benefits. Going solar reduces greenhouse gas emissions, which contribute to climate change, and also results in fewer air pollutants like sulfur dioxide and particulate matter, which can cause health problems. World at large typically emits **51 billion tonnes** of GHGs in the year, and more than one fifth of this carbon footprint has a lifetime of **over 10,000 years**.

Typically, a 10 kW residential Solar Solution can offset roughly **13.5 tonnes** of carbon footprint per year. Meanwhile, Pakistan’s carbon emissions are roughly 1.5 tonnes per capital. 💡 .

***[SELECTION: 1.1.3.* How do I find out how much I pay for electricity?**👇***]***

The easiest way to find out how much you pay for electricity (and how much electricity you use per month) is to take a look at your utility electricity bill.

You can use our smart analytics module to estimate your utility cost savings via Solar Solutions at: [link to estimator]

***[SELECTION: 1.1.4.* What is net metering?**👇***]***

Net metering is the system that electricity distribution companies use to credit solar energy system owners for the electricity produced by their solar panels. With net metering, you can sell the extra electricity produced by your solar unit to the grid. You can offset expensive electricity bills and attain energy independence via Solar-led net-metering.

For more information, please visit our website (website)

***[SELECTION: 1.2. How do solar panels work for my home?*** 👇***]***

1. **How do solar photovoltaic (PV) panels work?**
2. **Do my solar panels produce power when the sun isn’t shining?**
3. **What happens if there is dust on solar panels?**
4. **Can I go off grid with solar panels?**
5. **Will I still receive an electric bill if I have solar panels?**
6. **Do solar panels work in a blackout?**
7. **How much will solar panel maintenance cost?**

👉 Type **‘Menu’** at any time to return to the main menu 🔝

👉 Type **‘Up’** at any time to return to the current sub-menu 🔝

👉 Type **‘Sunny, quote me’** at any time to get a custom quote 🌞

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***[SELECTION: 1.2.1.* How do solar photovoltaic (PV) panels work?**👇***]***

Solar panels absorb the sun's energy throughout the day and convert it into direct current (DC) electricity. Most homes and businesses run on alternating current (AC) electricity, so the DC electricity is then passed through an inverter to convert it to usable AC electricity. At that point, you either use the electricity in your house or send it back to the electric grid for net-metering.

### ***[SELECTION: 1.2.2.* Do my solar panels produce power when the sun isn’t shining?** 👇***]***

The amount of power your solar energy system can generate is dependent on sunlight. As a result, your solar panels will produce slightly less energy when the weather is cloudy, and no energy at night. However, because of high electricity costs and financial incentives, solar is a smart decision even if you live in a cloudy city. Typically, in Pakistan, you get an average of about 4.7 hours of sunlight, this varies from city to city meanwhile.

You can also add battery backup in the system design to conserve energy while the sun is shining and consume stored energy during the night / on-peak times.

### ***[SELECTION: 1.2.3.* What happens if there is dust on solar panels?** 👇***]***

Solar panels convert sunshine into power, so if your panels are covered in dust, they can’t produce electricity effectively. Dust generally isn’t heavy enough to cause structural issues with your panels, and your panels can be cleaned by watering or using cleaning systems for PV. If dust does accumulate, your panels are easy to clean.

Also, by opting for a Power Optimizer based system design, you can offset the impact of soiling losses or dust losses to solar generated energy while future-proofing your PV System.

You can learn more about intelligence-driven power optimizer-based inverters at [Web link]

### ***[SELECTION: 1.2.4.* Can I go off grid with solar panels?** 👇***]***

When you install solar panels on your property, you will still be connected to the grid. This allows you to draw from the grid when your system is not producing all of the power that you need, and send power back to the grid when you produce more than you use. It is possible to go off the grid with a solar energy system that includes battery storage, but it will cost significantly more and is usually not required for the majority of grid-connected homeowners.

Meanwhile for Captive Power Factories, adding Solar Plants in the power mix can significantly bring down your levelised cost of energy while offsetting your carbon footprint.

### ***[SELECTION: 1.2.5.* Will I still receive an electric bill if I have solar panels?** 👇***]***

Unless your solar energy system includes battery storage and you are fully off the grid, you will still receive a bill from your utility. However, you can dramatically reduce your bill with a solar panel system that matches your energy use.

### ***[SELECTION: 1.2.6.* Do solar panels work in a blackout?** 👇***]***

If your solar panel system is connected to the grid, it will shut off in the event of a blackout. This is to prevent emergency responders and electricity utility repair-people from being injured by your panels sending power back to the grid. However, there are certain inverters you can buy that provide backup power in a blackout when paired with an Energy Storage System..

### ***[SELECTION: 1.2.7.* How much will solar maintenance cost?** 👇***]***

Solar panel systems are made of durable tempered glass and require little to no maintenance for the 25 to 30 years. In most cases, you don’t even need to clean your solar panels regularly. If something does happen, most equipment manufacturers include warranties, although warranty terms depend on the OEM.

***[SELECTION: 1.3. What are my solar financing options?*** 👇***]***

1. **What solar energy rebates and incentives are available?**
2. **What are my solar financing options?**
3. **Should I buy or lease my solar panel system?**
4. **Which is better – EPC or PPA?**

👉 Type **‘Menu’** at any time to return to the main menu 🔝

👉 Type **‘Up’** at any time to return to the current sub-menu 🔝

👉 Type **‘Sunny, quote me’** at any time to get a custom quote 🌞

👉You can type **‘End’** at any time to close the chat 🔚

### ***[SELECTION: 1.3.1.* What solar energy rebates and incentives are available?** 👇***]***

State Bank of Pakistan has launched a special scheme called **Renewable Energy Financing** at subsidised mark up rates to encourage Solarisation at micro level. As of today, subsidised loans **upto 6%** are offered by all major commercial banks of Pakistan to home and business owners to offset their carbon footprint.

### ***[SELECTION: 1.3.2.* What are my solar financing options?** 👇***]***

SolarAi has partnered with multiple banks, including JS Bank, for expedited application approval for Solar financing. If you are a business owner and interested in Power Purchase Agreement, there are options available to get a discount on your existing expensive electricity bills without investing upfront costs of the Solar Plant.

You may want to reach out to our business analysts at [link to set up appointment form] to discuss further your financing options.

### ***[SELECTION: 1.3.3.* Should I buy or lease my solar panel system?** 👇***]***

If you buy your Solar System, you are able to maximise your financial savings immediately. Meanwhile, leasing your PV System might be more prudent if your cost of capital is high and cost of debt is low. Depending upon the situation unique to your circumstance, benefits of either self-financing or bank financing can be weighed to arrive at a better informed decision.

Our expert team at SolarAi can help curate a Solarization package for you and you can book your consultation session at [link to calendar invite]

### **[*SELECTION: 1.3.4.* Which is better – EPC or PPA? 👇]**

For Commercial & Industrial purposes, users can opt for either EPC or PPA options. In the former, an EPC firm such as SolarAi, is hired to design a custom engineered solution unique to the business. Site surveys, existing power mix analysis, PV System Simulations, financial modeling and levelised cost of energy savings are prepared for the client along with suggestions on optimal equipment selection. A C&I user, after careful evaluation of the proposals by EPC and/or Solar consultants, awards a self-funded or bank-funded EPC contract.

However in Power Purchase Agreement [PPA], an entity undertakes all the work of the EPC, but negotiates an energy tariff with C&I users, typically between 15 and 25 years, to deploy Solar PV Plant. Capital for the plant is arranged by the entity signing the PPA with C&I user.

***[SELECTION: 1.4. Am I ready for solar?*** 👇***]***

1. **Can I afford to go solar?**
2. **Is my roof suitable for solar panels?**
3. **What size solar energy system should I get?**
4. **Do I need to replace my roof before installing solar?**
5. **How long will my solar power system last?**
6. **What happens if I sell my solar house?**

👉 Type **‘Menu’** at any time to return to the main menu 🔝

👉 Type **‘Up’** at any time to return to the current sub-menu 🔝

👉 Type **‘Sunny, quote me’** at any time to get a custom quote 🌞

👉You can type **‘End’** at any time to close the chat 🔚

***[SELECTION: 1.4.1.* Can I afford to go solar?**👇***]***

If you can afford to pay your electricity bill you can afford to go solar. Subsidised bank loans **at or under 6%** for Solar Home or Business financing makes the proposition even more compelling.

Furthermore, Commercial and Industrial entities might also be able to get Carbon Emissions Reduction Credits that can be traded at international markets for additional financial benefits.

***[SELECTION: 1.4.2.* Is my roof suitable for solar panels?**👇***]***

Southerly-facing roofs with little to no shade and enough space to fit a solar panel system are ideal for installing traditional solar systems. However, in many cases there are workarounds if your home doesn’t have the ideal solar roof.

We at SolarAi, have introduced Power Optimisers based inverters, to specifically address the shading issue as well as transforming each Solar module into an intelligent unit optimised for harnessing maximum energy.

Follow the easy stepwise guide on our website www.solarai.energy to learn more about all of your options.

***[SELECTION: 1.4.3.* What size solar energy system should I get?**👇***]***

The size of your solar energy system will depend on how much electricity you use on a monthly basis, as well as the weather conditions where you live. Take a look at our website and follow the “Get a quotation” journey to get a customized solution catering to all your electricity needs.

***[SELECTION: 1.4.4.* Do I need to replace my roof before going solar?**👇***]***

Solar energy systems can last for 25 to 30 years, and it can be costly to remove and reinstall them if you need to replace your roof. If your roof needs maintenance in the near term, you should complete it before you finish your solar installation. Our technical personnel at SolarAi will be able to tell you whether to replace your roof before going solar.

Get in touch with our team at (Number) or website..

***[SELECTION: 1.4.5.* How long will my solar power system last?**👇***]***

In general, solar panels are very durable and capable of withstanding snow, wind, and hail. The various components of your solar power system, such as inverters, will need to be replaced at different times, but your system should continue to generate electricity for 25 to 30 years.\

Our special offering includes an **industry leading 12 year** Standard Warranty for Power-Optimiser based inverters, an award-winning German technology. You can find out more about our offers at www.solarai.energy

***[SELECTION: 2.* Quick self-assessment of your solarization potential*]***

Welcome to SolarAI! We believe your journey with us will last for years to come.

1. **How do I get a solar quote?**
2. **What services do I get with SolarAI?**
3. **Quick self-assessment of my solarization potential.**

Please select an option from above

👉 Type **‘Menu’** at any time to return to the main menu 🔝

👉 Type **‘Up’** at any time to return to the current sub-menu 🔝

👉 Type **‘Sunny, quote me’** at any time to get a custom quote 🌞

👉You can type **‘End’** at any time to close the chat 🔚

***[SELECTION: 2.1. How do I get a solar quote?*** 👇***]***

1. **How do I get a solar quote?**
2. **How accurate is the solar quote that I get from you?**
3. **What are the different types of solar panels?**
4. **What are the different types of power inverters?**
5. **Do I need to install solar batteries with my solar power system?**

👉 Type **‘Menu’** at any time to return to the main menu 🔝

👉 Type **‘Up’** at any time to return to the current sub-menu 🔝

👉 Type **‘Sunny, quote me’** at any time to get a custom quote 🌞

👉You can type **‘End’** at any time to close the chat 🔚

***[SELECTION: 2.1.1.* How do I get a solar quote?**👇***]***

Type, **quote me** at any time during your conversation and start your journey for a custom quote. Alternatively, Go to “Section 2.3: Quick self-assessment of my solarization potential” or visit our website (website) and select “Get an Instant Quote”.

Follow the easy steps to get a solar quote according to your needs. OR contact one of our team members directly by calling (number)

***[SELECTION: 2.1.2.* How accurate is the solar quote that I get from you?**👇***]***

The first step of the process to get a solar quote from us gives you an estimated price according to your general locality (city). In the second step, we will present you with a personalized and accurate quotation along with your custom-built System Design based on your physical address, the available area on your rooftop to install solar panels, and a few other engineering parameters.

In the final step, our team will physically visit your address to evaluate, confirm and present you with a final quotation free of charge.

***[SELECTION: 2.1.3.* What are the different types of solar panels?**👇***]***

We have three main types of efficient Solar PV Modules:

1. Standard (Mono PERC Half Cut, Tilling Ribbon): Module Efficiency +**21%**
2. Bifacial (Mono PERC Half Cut): Module Efficiency +21% with **upto 25% gain** from the bifacial (from the rear side of the module)
3. All Black (Mono PERC): (Mono PERC Half Cut): Module Efficiency +21% (For immaculate aesthetics of your home facade)

***[SELECTION: 2.1.4.* What are the different types of power inverters?**👇***]***

We offer two types of Solar Inverters:

1. Traditional Inverter:

These are the most commonly used inverters in conventional PV Systems. They are based on legacy technology which starts off with maximum energy production but gradually the output energy decays over the span of years. So the efficiency of the system gradually reduces after the first year of usage, and keeps on reducing at a slow pace.

1. Solar-Edge Inverter:

These are based on leading German technology used in advanced PV systems. This technology enables the PV system to maintain its maximum efficiency even after years of usage. The optimizer-based technology used in Solar-Edge Inverters produces more energy as compared to Traditional Inverters and hence is more efficient over the span of years.

***[SELECTION: 2.1.5.* Do I need to install solar batteries with my solar power system?**👇***]***

Solar power systems that include solar batteries, known as solar-plus-storage, are increasingly popular, but can be pricey. However, with the current situation of the grid system in Pakistan, it may be a good option to opt for solar batteries with your solar power system for homes, as it will help in providing electricity during load-shedding and you also will have the option to draw electricity from batteries during peak hours to further reduce your electricity bill.

Growingly, large-scale Energy Storage Systems (ESS) of 1 MW and above rated storage capacities are also being deployed by Commercial & Industrial users in the South Asian region. Such large scale ESS solutions are able to harness solar energy from PV Plant and are able to address intermittency bottlenecks of integrating Solar in existing power mix.

***[SELECTION: 2.2.* Why SolarAi?**👇***]***

1. **What is SolarAi?**
2. **How can SolarAI assist me in choosing the best solar power solution?**
3. **What is a Customized 3D Proposal?**
4. **What are the benefits of choosing SolarAi?**
5. **How do I contact SolarAi?**

👉 Type **‘Menu’** at any time to return to the main menu 🔝

👉 Type **‘Up’** at any time to return to the current sub-menu 🔝

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***[SELECTION: 2.2.1.* What is SolarAI?**👇***]***

SolarAI is a clean-tech startup that harnesses the power of artificial intelligence and machine learning to design and deploy solar solutions, analyze energy consumption patterns, identify solarization potential and build decentralized solar energy highways to overcome the challenges of expensive electricity and an unstable grid.

Our USP is our expertise in both renewables and AI, and we are utilising our unified tech expertise to enable & empower both people and enterprises. We have embarked on a journey to facilitate mass adoption of distributed Solar Energy via

* Breaking the pattern of high customer acquisition costs
* Deliver best customer experience
* Native AI-powered cloud platform to draw insights and power-metrics analytics

***[SELECTION: 2.2.2.* How can SolarAI assist me in choosing the best solar power solution?**👇***]***

SolarAI provides a platform to *inform, educate* and *enable* you to better manage your energy needs. This interactive platform simplifies your solar energy estimations and offers various value-added functionalities to help migrate from an expensive and unstable grid to clean and affordable solar energy.

Pre-deployment, the platform will assist and enable you to optimally design a solar solution to maximize your energy gains.

Post-deployment, the platform will leverage panel-level and system-wide data to provide you with:

* Detailed visibility into the performance of their solar solution
* Usage patterns
* Savings achieved
* Alerts to address any issues
* Instant customer support through conversational AI and live agents

Visit our website (website) to get more information or call us directly at (number)

***[SELECTION: 2.2.3.* What is a Customized 3D Proposal?**👇***]***

A Customized 3D Proposal is a document (sample proposal) generated by SolarAi that showcases what you can expect to see once you complete your “Get Custom Quote” journey with SolarAi. Among other information, the document contains the following:

* **Detailed Site (your rooftop/available area) Description**
  + 3D Images
  + Assessment of Available Area
* **System Design by SolarAi**
  + Multiple Options for System Design
  + Technical Diagrams
  + Installation Procedures
* **Technical Comparison**
  + Comparison of different Solar PV Panels and Inverter Sets
  + Technical Analysis
  + Projections
* **Financial Comparison**
  + Comparison Solar PV Panel and Inverter Sets
  + Financial Analysis
  + ROI
  + Savings and LCOE
* etc.

You may type **‘residential’** or **‘commercial’** at any time to receive respective proposal samples.

For further information and to start your journey towards solarization, please visit our website: (website)

***[SELECTION: 2.2.4.* What are the benefits of choosing SolarAi?**👇***]***

The key differentiator between SolarAi and its competitors is our free and instant energy self-assessment, no obligation quotation, detailed and customised proposal on request, superior one-click customer support, module-level energy monitoring and trend mapping. Without relying on a human sales agent, you can visit the SolarAi website (at website), enter just a few details and receive indicative solarization potential, costs, environmental impact and savings estimates.

SolarAi gives you customization flexibility, provides data-driven insights into your solar solution, enhances customer support (through our website, WhatsApp or direct call), provides viable financing options, intelligent power management and more… All while giving you the best and competitive value for money.

***[SELECTION: 2.2.5.* How do I contact SolarAi?**👇***]***

You can contact us at SolarAi through any of the following mediums:

* Website: website
* WhatsApp: number
* Call: number

***[SELECTION: 2.2.6.* What is a solar quote and how do I get one?**👇***]***

Go to our website (website). Follow the easy steps to get a solar quote according to your needs. OR contact one of our team members directly by calling (number)

***[SELECTION: 2.3.* Start my journey towards solarization.**👇***]***

To understand and estimate a solar solution fit for you, and provide you with a quotation, we will need the following information.

***[INPUT: 2.3.1.* What is your general location/city? Please choose from the following…**👇***]***

* 1. Islamabad
  2. Karachi
  3. Lahore
  4. Peshawar
  5. Other

💡Tip: You can just type a, b, c, etc. to make a selection. City not listed here…? Please contact us directly at (number):

*{User enters:*

* *a / b / c ...}*

*[INPUT: 2.3.1.1 Selected Location 👇]*

*You have Chosen [Input] as the city.*

*\*We need some text to enter further information.*

***[INPUT: 2.3.2.* What is the estimated area available on your premises (rooftop) for solar panels?** 👇***]***

💡Tip:

* To enter available area in meters, you can type: 40 m OR 40 meters or 40 sq m
* To enter available area in feet, you can type: 40 f OR 40 feet or 40 sq f
* To enter available area in marla, you can type: 40 marla OR 40 marlas
* To enter available area in kanal, you can type: 40 kanal or 40 kanals

*{User enters:*

* *123 meters / 123 m / 123 sqm / 123 sq m / 123 s m / 123 m2 etc.*
* *123 ft / 123 f / 123 sqf / 123 sq f / 123 f2 etc.*
* *3 marla / 3 marlas*
* *1 kanal / 1 k... etc.}*

***[CONFIRMATION: 2.3.2.* The available area is \_\_\_\_\_, is it correct?** 👇***]***

1. Yes
2. No

[CONFIRMATION: 2.3.2.1 [On yes] Available area is saved.👇]

\*We need some text to enter further information.

***[INPUT: 2.3.3.* What is your connection type?** 👇***]***

1. Residential
2. Commercial
3. Industrial

[INPUT: 2.3.3.1 Your connection type is [users input]👇]

\*We need some text to enter further information.

***[INPUT: 2.3.4.* What is your annual average unit consumption?** 👇***]***

💡Tip: To calculate your average annual unit consumption, you can simply add up units consumed for 12 consecutive months.

*{User enters:*

* *12345}*

*[INPUT: 2.3.4.1. Your annual average unit consumption is [User input] 👇]*

*\*We need some text to enter further information.*

***[INPUT: 2.3.5.* Just one last step before we generate an initial quotation for you** 👇***]***

Please enter your full name.

*{User enters:*

* *John Doe}*

Please enter your contact number (mob number)

*{User enters:*

* *1234567890}*

Please enter your email address:

*{User enters:*

* *JohnDoe@email.com}*

***[OUTPUT: 2.3.5* Solar quote…** 👇***]***

Congrats on completing your first step towards going Solar. Please click on the following link to get your results:

<link here>

***[SELECTION: 3.* Learn more about SolarAi and my human coworkers*]***

Welcome to SolarAi! If you are looking to solarize your home or just stopping by for a quick assessment of the solar potential at your location, we are happy to help! Caring for our customers is our top priority.

1. **Learn more about SolarAi**
2. **Learn more about my human coworkers**
3. **Speak to my human coworkers**

👉 Type **‘Menu’** at any time to return to the main menu 🔝

👉 Type **‘Up’** at any time to return to the current sub-menu 🔝

👉 Type **‘Sunny, quote me’** at any time to get a custom quote 🌞

👉You can type **‘End’** at any time to close the chat 🔚

*{User enters:*

* *Yes}*

**Reply:** My human co-worker will get in touch with you shortly! Meanwhile, please feel free to browse through the menu. Alternatively you can visit our website to set up a remote meeting from our online calendar.

**APPENDIX:**

***[SELECTION: 4.* Existing Customer Dashboard*]***

Welcome to SolarAI! If you are an existing customer, please input your 12 – digit code.

👉 Type **‘Menu’** at any time to return to the main menu 🔝

👉 Type **‘Up’** at any time to return to the current sub-menu 🔝

👉You can type **‘End’** at any time to close the chat 🔚

*{User enters:*

* *user ID}*
* *Send OTP to user*

Please input your OTP to verify...

*{User enters:*

* *OTP}*

Welcome to your dashboard Jamal! Need info about your solar? Please select from the following:

1. Real-time Energy Consumption
2. Real-time System Performance
3. Grid & Solar Energy Monitoring
4. Alerts & Updates
5. Cost Savings
6. Intelligent Power Management
7. Peak Load Analysis
8. Peak Demand Analysis
9. Forecasting
10. Predictive Analytics
11. Historical Energy Patterns
12. Anomaly Detection

***[SELECTION: 3.1.* Real-time energy consumption.**👇***]***

1. **What is my current energy consumption?**
2. **What was my energy consumption for the previous week?**
3. **What was my energy consumption for the previous month?**

***[SELECTION: 3.2.* Real-time system performance.**👇***]***

1. **How is my system performing?**
2. **Do I need maintenance? If yes, what type?**
3. **Have any problems been reported in the past week?**
4. **Have any problems been reported in the past month?**

***[SELECTION: 3.3* Grid and solar energy monitoring.**👇***]***

1. **How much energy am I consuming from the grid?**
2. **How much energy am I consuming from solar?**

***[SELECTION: 3.4.* Anomalies.**👇***]***

1. **Were there any major incidents in the past week?**
2. **Were there any major incidents in the past months?**

***[SELECTION: 3.5.* Cost Savings.**👇***]***

1. **How much have I saved to date by going solar?**

***[SELECTION: 3.6.* Forecasting.**👇***]***

1. **Am I on track for the current month’s consumption?**
2. **How much electricity will I get from my solar panels in the next X days?**

***[SELECTION: 3.7.* Predictive Analytics.**👇***]***

1. **What is my current energy consumption?**
2. **What was my energy consumption for the previous week?**
3. **What was my energy consumption for the previous month?**

# REFERENCES