

Blood Oximeter Guide

With a simple and painless fingertip scan, our Advanced Blood Oximeter provides precise and reliable readings for key health indicators, including heart rate, oxygen saturation (spO2) levels, glucose levels, cholesterol levels, and uric acid levels. This all-in-one solution eliminates the inconvenience and discomfort associated with traditional blood tests, providing a non-invasive and hassle-free monitoring experience.

Designed with user convenience in mind, our Advanced Blood Oximeter is compact, lightweight, and incredibly easy to use. Its intuitive interface ensures that users of all ages can effortlessly track their cardiovascular health, respiratory well-being, glucose levels, lipid profile, and uric acid levels with unparalleled accuracy.

To enhance the monitoring experience even further, our blood oximeter can be seamlessly connected to your smartphone or tablet, enabling seamless data tracking and analysis. This connectivity allows you to gain valuable insights, identify trends, and share your progress with healthcare professionals for comprehensive and personalized care.

Screen 1: Edit Profile Page

Here users can click on the input text box and type in the respective values and select their gender from 2 options, Male or Female.

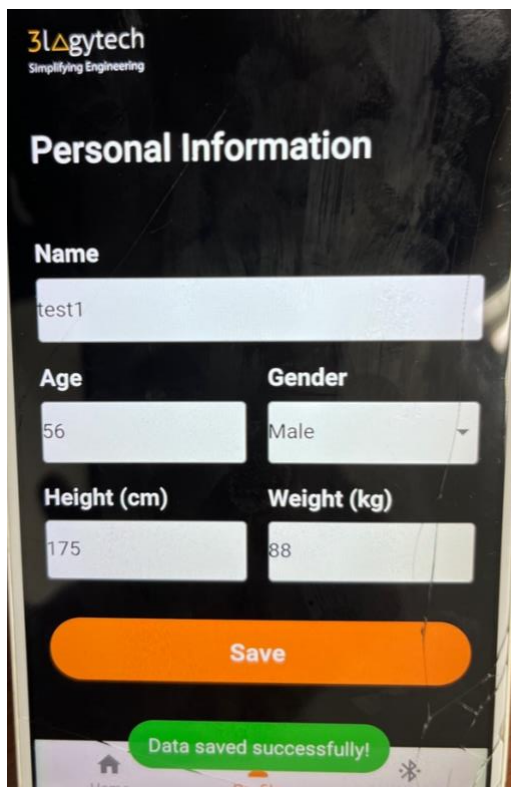
The image displays two side-by-side screenshots of a mobile application's 'Personal Information' edit profile page. Both screenshots feature the '3lΔgytech' logo at the top left, with the tagline 'Simplifying Engineering' below it.

Left Screenshot: The page is titled 'Personal Information'. It contains four input fields: 'Name' (placeholder: 'Your Name'), 'Age' (placeholder: 'Age'), 'Height (cm)' (placeholder: 'Height in cm'), and 'Weight (kg)' (placeholder: 'Weight in kg'). A 'Gender' dropdown menu is set to 'Select Gender'. At the bottom is a large orange 'Save' button. The bottom navigation bar shows 'Home', 'Profile' (highlighted), and 'Find Devices'.

Right Screenshot: This screenshot shows the same form with 'test1' entered in the 'Name' field. A keyboard is visible over the bottom half of the screen. The 'Age' field has 'Age' entered, and the 'Gender' dropdown is still 'Select Gender'. The keyboard shows a search bar with suggestions 'test1', 'test16', and 'tests'. The bottom navigation bar is partially obscured by the keyboard.

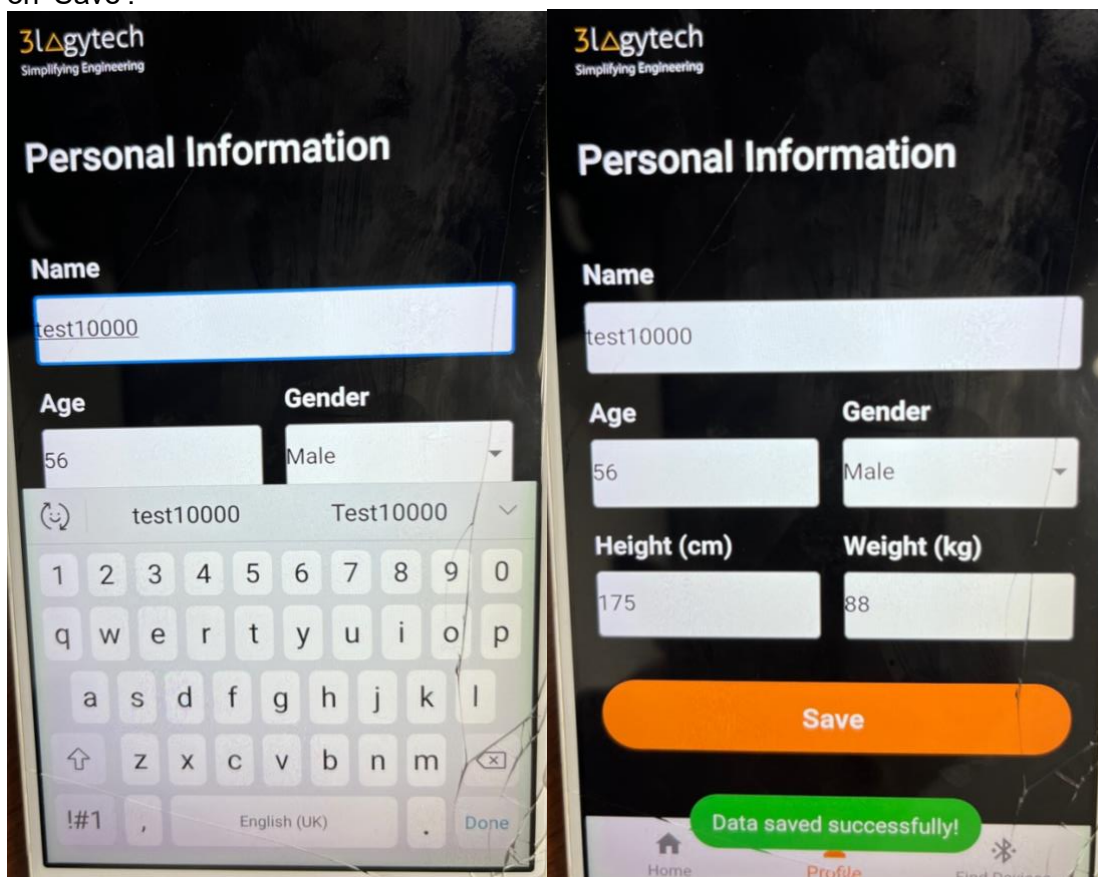
To save the data, they will click on the 'Save' button and the data will always appear there even after they have navigated to another tab. To change the input data, they just have to click on the box, retype in a new data and click on 'Save'.

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The screenshot shows a mobile application interface for '3lΔgytech Simplifying Engineering'. The title is 'Personal Information'. The form contains the following fields: 'Name' with the value 'test1', 'Age' with the value '56', 'Gender' with a dropdown menu showing 'Male', 'Height (cm)' with the value '175', and 'Weight (kg)' with the value '88'. Below the form is an orange 'Save' button. At the bottom, a green notification bubble says 'Data saved successfully!'. The bottom navigation bar shows 'Home' and 'Profile' tabs.

To change the input data, they just have to click on the box, retype in a new data and click on 'Save'.



The image shows two side-by-side screenshots of the 'Personal Information' form. The left screenshot shows the 'Name' field with the value 'test10000' and a blue selection box around it. A keyboard is visible at the bottom with the text 'test10000' and 'Test10000' in the search bar. The right screenshot shows the same form after the data has been updated. The 'Name' field now contains 'test10000', and the 'Save' button is visible. A green notification bubble at the bottom says 'Data saved successfully!'. The bottom navigation bar shows 'Home', 'Profile', and 'Find Devices' tabs.

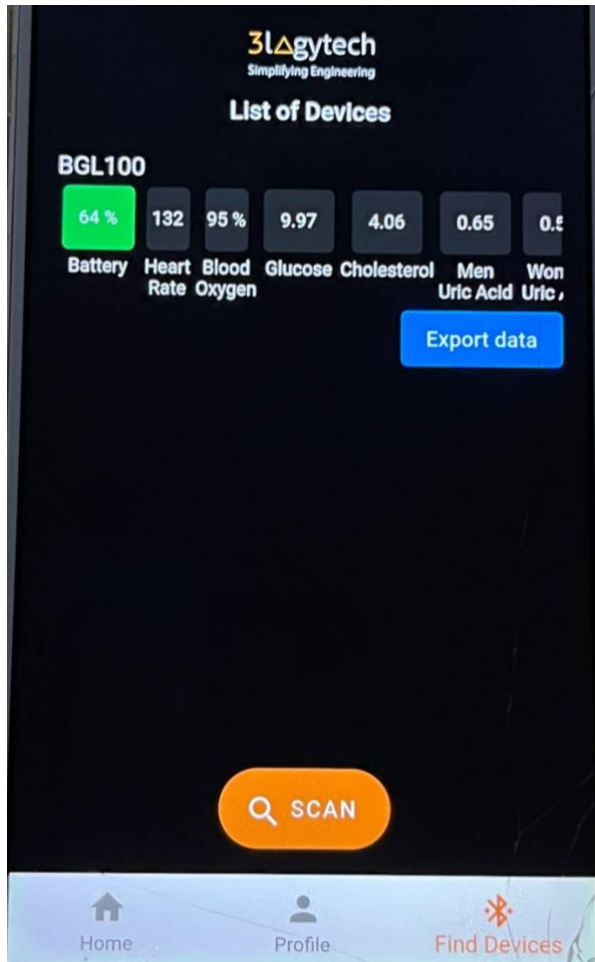
Screen 2: List of devices (Oximeter device not connected)

When there is no device detected, there is a blank page with no devices and no data displayed.



Screen 3: List of devices (Oximeter device connected)

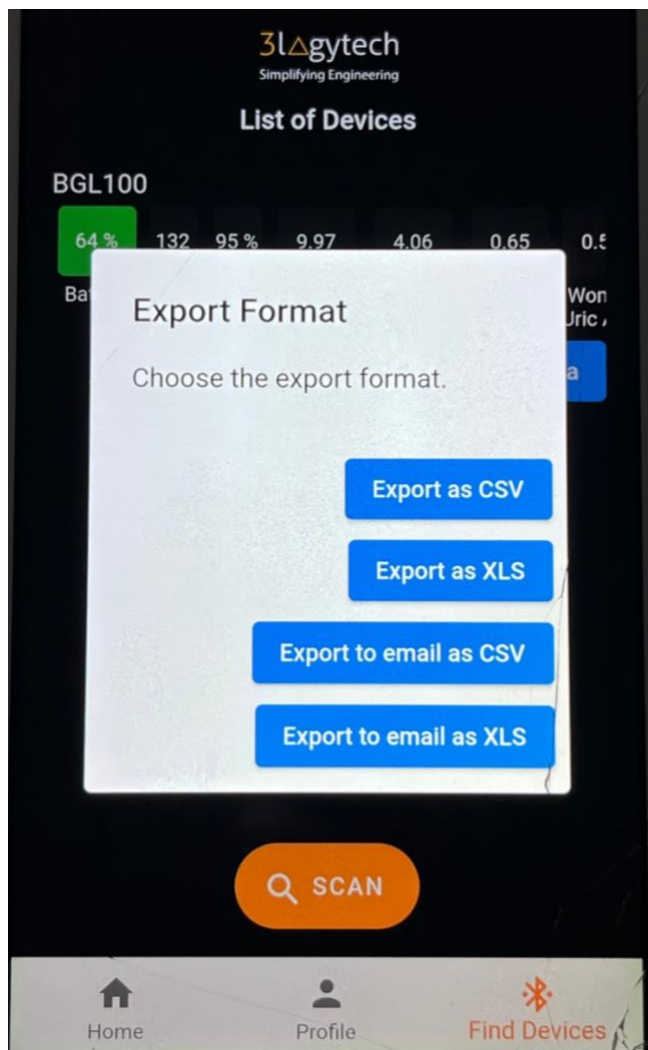
When a device is connected, a row of data containing the variables that are being measured is displayed. They include heart rate, blood oxygen level, glucose level, cholesterol level, men uric acid level and women uric acid level.

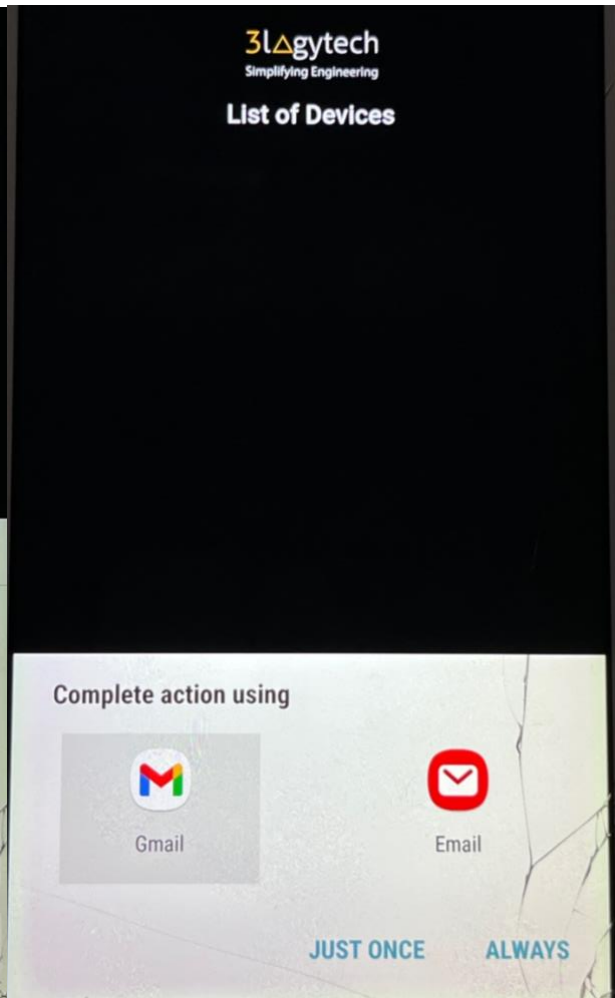
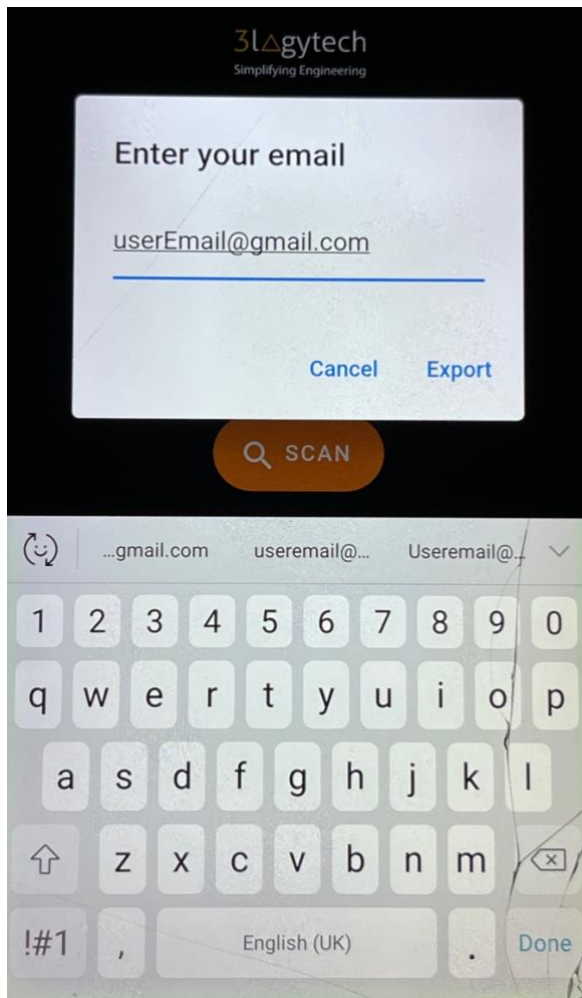


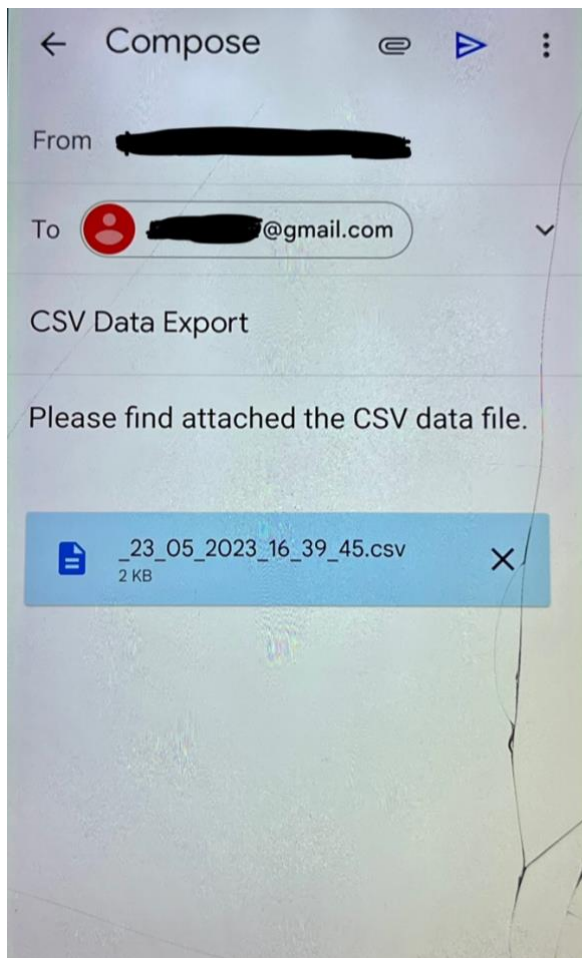
Screen 3.1: Export data

Data can be exported to different forms.

1. Exports the data and saves into the phone's local storage as a CSV file or an Excel file format.
2. Emails the data in either as a CSV file or an Excel file. The file will also be saved into the phone's local storage automatically.







_23_05_2023_16_32_43.csv									
Open with ▼									
	A	B	C	D	E	F	G	H	I
1	timestamp	battery	heart_rate	spo2	glucose_mmolL	glucose_mgDL	cholesterol	uaMen	uaWomen
2	23/05/2023 15:57:27	64 %	93 bpm	94 %	7.03	126.6806	2.86 mg/dL	Normal: 0.46 mmol/L	Normal: 0.36 mmol/L
3	23/05/2023 15:57:28	64 %	93 bpm	94 %	7.03	126.6806	2.86 mg/dL	Normal: 0.46 mmol/L	Normal: 0.36 mmol/L
4	23/05/2023 15:57:40	66 %	103 bpm	0 %	7.78	140.1956	3.17 mg/dL	Normal: 0.51 mmol/L	Normal: 0.4 mmol/L
5	23/05/2023 15:57:55	65 %	103 bpm	0 %	7.78	140.1956	3.17 mg/dL	Normal: 0.51 mmol/L	Normal: 0.4 mmol/L
6	23/05/2023 16:15:22	64 %	0 bpm	0 %	0	0	0.0 mg/dL	Abnormal: 0.0 mmol	Abnormal: 0.0 mmol
7	23/05/2023 16:15:23	64 %	0 bpm	0 %	0	0	0.0 mg/dL	Abnormal: 0.0 mmol	Abnormal: 0.0 mmol
8	23/05/2023 16:15:24	64 %	0 bpm	0 %	0	0	0.0 mg/dL	Abnormal: 0.0 mmol	Abnormal: 0.0 mmol
9	23/05/2023 16:15:25	64 %	0 bpm	0 %	0	0	0.0 mg/dL	Abnormal: 0.0 mmol	Abnormal: 0.0 mmol
10	23/05/2023 16:15:26	64 %	0 bpm	0 %	0	0	0.0 mg/dL	Abnormal: 0.0 mmol	Abnormal: 0.0 mmol
11	23/05/2023 16:15:32	65 %	125 bpm	93 %	9.45	170.289	3.85 mg/dL	Abnormal: 0.61 mmol/L	Abnormal: 0.49 mmol/L
12	23/05/2023 16:15:33	65 %	125 bpm	93 %	9.45	170.289	3.85 mg/dL	Abnormal: 0.61 mmol/L	Abnormal: 0.49 mmol/L
13	23/05/2023 16:15:47	66 %	125 bpm	0 %	9.45	170.289	3.85 mg/dL	Abnormal: 0.61 mmol/L	Abnormal: 0.49 mmol/L
14	23/05/2023 16:16:02	66 %	125 bpm	0 %	9.45	170.289	3.85 mg/dL	Abnormal: 0.61 mmol/L	Abnormal: 0.49 mmol/L
15	23/05/2023 16:16:03	66 %	125 bpm	0 %	9.45	170.289	3.85 mg/dL	Abnormal: 0.61 mmol/L	Abnormal: 0.49 mmol/L
16	23/05/2023 16:28:56	64 %	150 bpm	94 %	11.34	204.3468	4.62 mg/dL	Abnormal: 0.74 mmol/L	Abnormal: 0.59 mmol/L
17	23/05/2023 16:29:00	64 %	150 bpm	94 %	11.34	204.3468	4.62 mg/dL	Abnormal: 0.74 mmol/L	Abnormal: 0.59 mmol/L
18	23/05/2023 16:29:14	66 %	177 bpm	97 %	13.38	241.1076	5.45 mg/dL	Abnormal: 0.87 mmol/L	Abnormal: 0.7 mmol/L
19	23/05/2023 16:29:25	67 %	109 bpm	96 %	8.24	148.4848	3.35 mg/dL	Abnormal: 0.54 mmol/L	Normal: 0.43 mmol/L
20	23/05/2023 16:32:03	63 %	0 bpm	0 %	0	0	0.0 mg/dL	Abnormal: 0.0 mmol	Abnormal: 0.0 mmol
21	23/05/2023 16:32:04	63 %	0 bpm	0 %	0	0	0.0 mg/dL	Abnormal: 0.0 mmol	Abnormal: 0.0 mmol
22	23/05/2023 16:32:05	63 %	0 bpm	0 %	0	0	0.0 mg/dL	Abnormal: 0.0 mmol	Abnormal: 0.0 mmol
23	23/05/2023 16:32:06	63 %	0 bpm	0 %	0	0	0.0 mg/dL	Abnormal: 0.0 mmol	Abnormal: 0.0 mmol
24	23/05/2023 16:32:14	67 %	100 bpm	0 %	7.56	136.2312	3.08 mg/dL	Normal: 0.49 mmol/L	Normal: 0.39 mmol/L
25	23/05/2023 16:32:25	67 %	100 bpm	97 %	7.56	136.2312	3.08 mg/dL	Normal: 0.49 mmol/L	Normal: 0.39 mmol/L