



AMERICAN INTERNATIONAL UNIVERSITY–BANGLADESH (AIUB)

FACULTY OF SCIENCE & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE

SOFTWARE ENGINEERING

SYSTEM DESIGN SPECIFICATION ON

Robo Hatch - A Robotics Development Platform

Supervised By

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Submitted By

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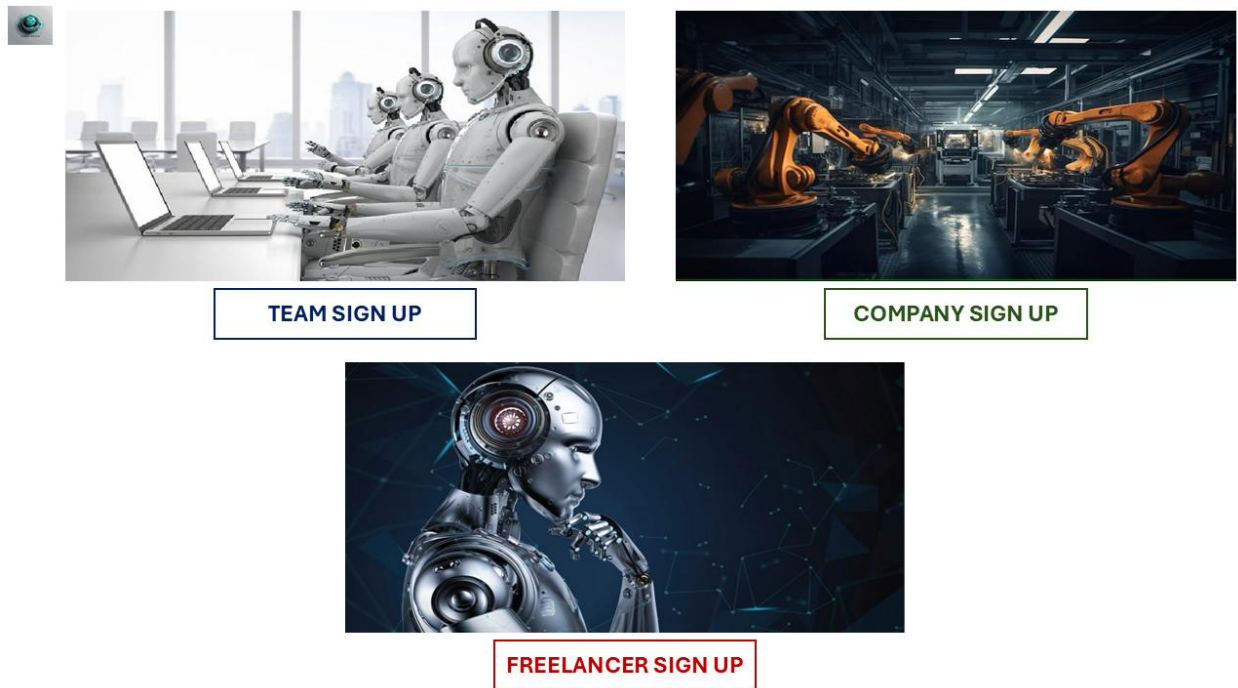
Spring 2024-25

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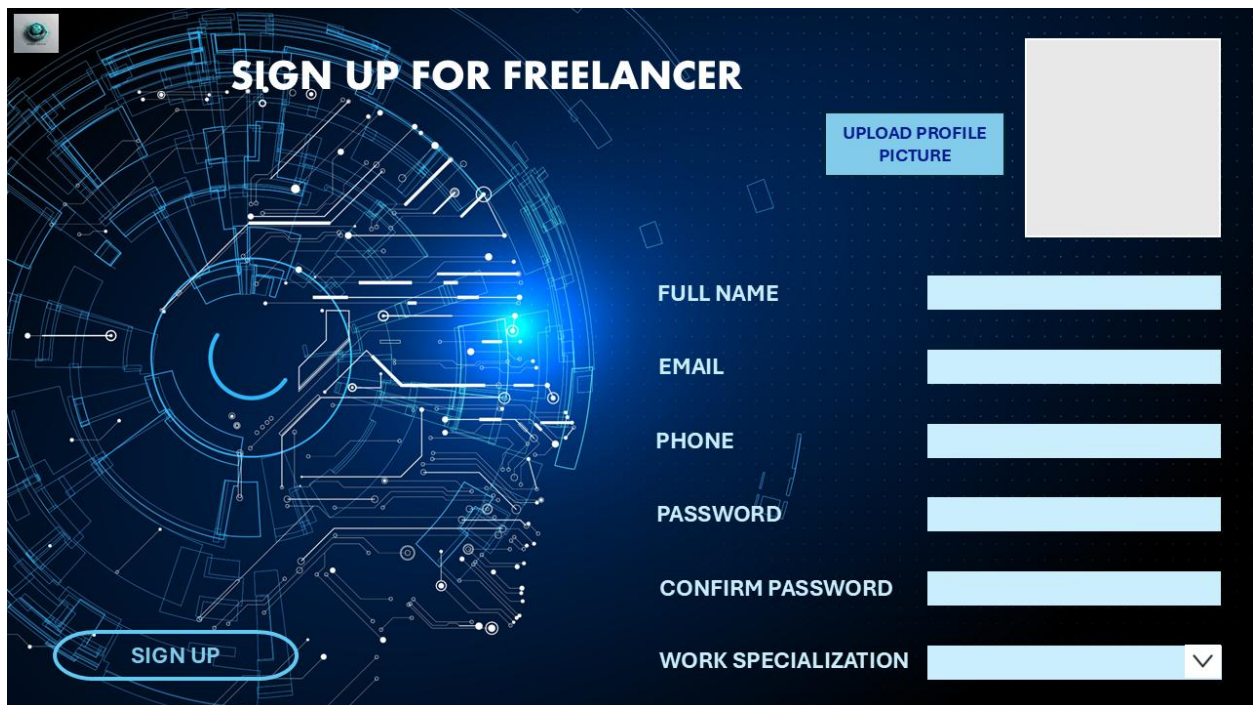
Landing Page



Sign-Up Role Selection Page



Freelancer Registration Page



The Freelancer Registration Page features a dark blue background with a glowing circuit board pattern. A small profile picture placeholder is in the top left. The title "SIGN UP FOR FREELANCER" is centered at the top. To the right, there is a button labeled "UPLOAD PROFILE PICTURE" and a large gray square for the profile picture. Below these, the registration form includes fields for "FULL NAME", "EMAIL", "PHONE", "PASSWORD", "CONFIRM PASSWORD", and "WORK SPECIALIZATION" (with a dropdown arrow). A "SIGN UP" button is located at the bottom left of the form area.

SIGN UP FOR FREELANCER

UPLOAD PROFILE PICTURE

FULL NAME

EMAIL

PHONE

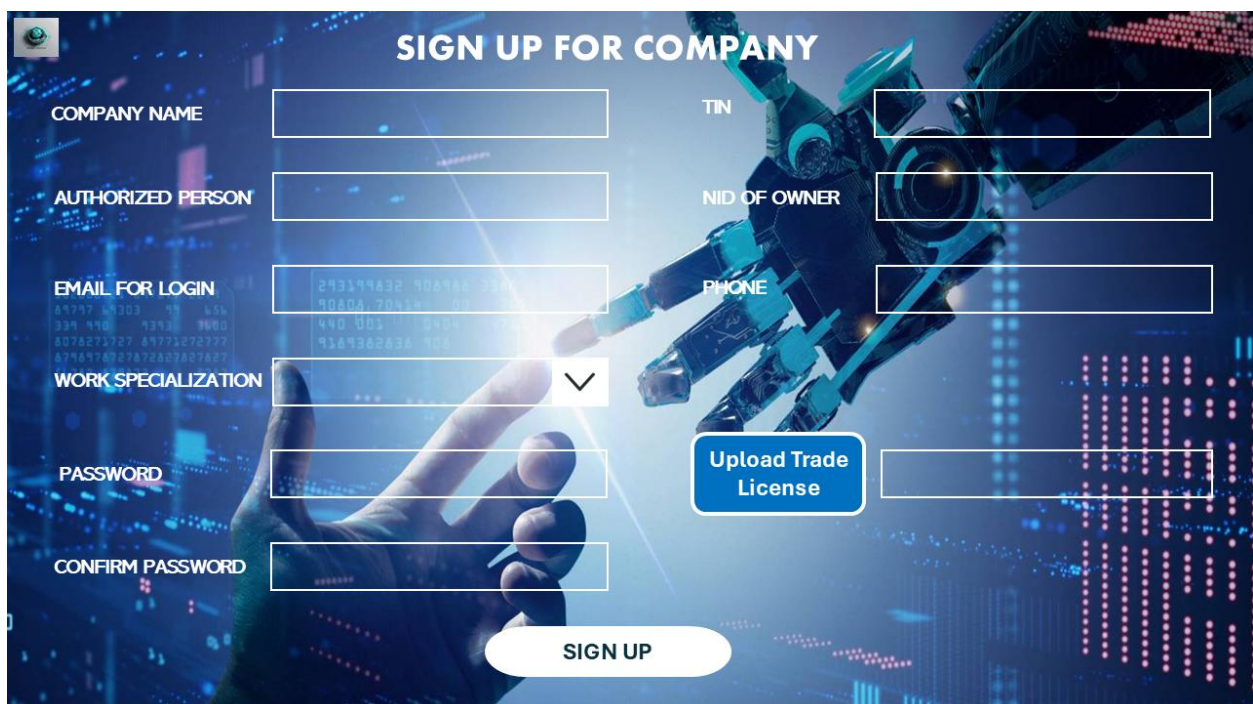
PASSWORD

CONFIRM PASSWORD

WORK SPECIALIZATION

SIGN UP

Company Registration Page



The Company Registration Page has a dark blue background with a glowing circuit board pattern and a robotic hand. A small profile picture placeholder is in the top left. The title "SIGN UP FOR COMPANY" is centered at the top. The registration form includes fields for "COMPANY NAME", "AUTHORIZED PERSON", "EMAIL FOR LOGIN", "WORK SPECIALIZATION" (with a dropdown arrow), "PASSWORD", "CONFIRM PASSWORD", "TIN", "NID OF OWNER", "PHONE", and "Upload Trade License". A "SIGN UP" button is located at the bottom center of the form area.

SIGN UP FOR COMPANY

COMPANY NAME

AUTHORIZED PERSON

EMAIL FOR LOGIN

WORK SPECIALIZATION

PASSWORD

CONFIRM PASSWORD

TIN

NID OF OWNER

PHONE

Upload Trade License

SIGN UP

Team Registration Page



SIGN UP FOR TEAM

TEAM NAME	<input type="text"/>
TEAM LEADER	<input type="text"/>
EMAIL FOR LOGIN	<input type="text"/>
PASSWORD	<input type="password"/>
CONFIRM PASSWORD	<input type="password"/>
NUMBER OF MEMBERS	<input type="text"/>
WORK SPECIALIZATION	<input type="text"/> ▼
TEAM MEMBER 1 NAME	<input type="text"/>
TEAM MEMBER 1 EMAIL	<input type="text"/>
TEAM MEMBER 1 PHONE	<input type="text"/>
TEAM MEMBER 1 ROLE	<input type="text"/>

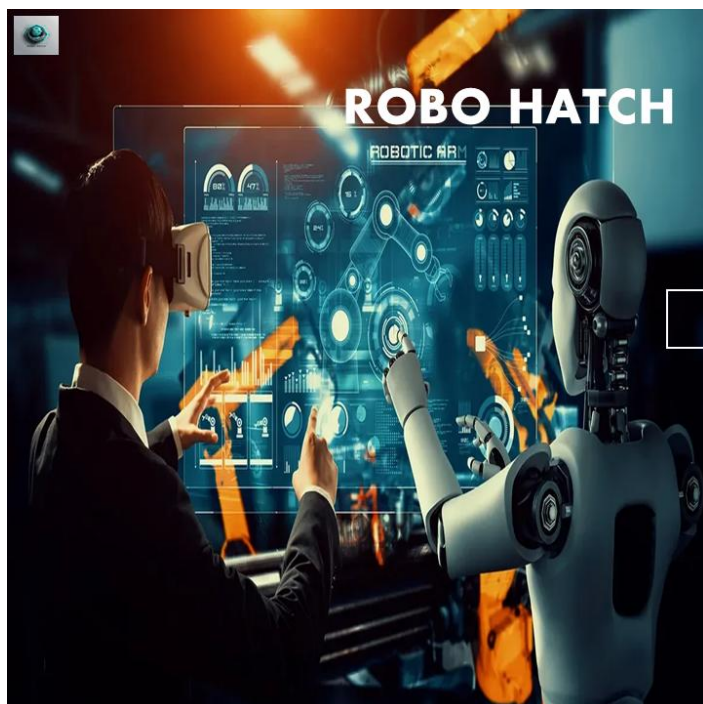
+ ADD MEMBER

UPLOAD PROFILE
PICTURE



SIGN UP

Login Page



EMAIL

PASSWORD

ROLE

 ▼

LOG IN

FORGOT PASSWORD?

[CLICK HERE](#)

DON'T HAVE AN ACCOUNT?

[SIGN UP](#)

Email/Phone Verification Page

Email / Phone Verification

Please enter the verification code sent to
dipkhastagir@gmail.com

Verify

Don't receive a code? [Resend code](#)

Password Recovery Page

Password Recovery

Enter your email address to reset your password

Email Address

dipkhastagir@gmail.com

Reset

Remember your password? [Log In](#)

Profile Setup Wizard Page

Profile Setup Wizard

1

2

3

4

Basic Information

Bio & Skills

Profile Image

Finalize

Basic Information

Full Name

Email Address

Phone Number

Country

Next

Freelancer Dashboard Page

The image shows a user interface for a project management or portfolio website. On the left is a dark blue vertical sidebar containing a circular profile picture placeholder and several menu items: "My Projects", "Explore Projects", "Explore Companies / Teams", "Messages", "Earnings", "Settings", "Help", and "Log Out". The main content area has a light gray background. At the top, it says "Welcome, Dip Khastagir" next to a small square logo with a robot head and the word "ROBOTS" below it. To the right of the name is a bell icon for notifications. Below the welcome message are four white rectangular boxes with rounded corners, each displaying a statistic: "15 Active Projects", "3 Pending Offers", "312 Robotics Companies", and "278 Robotics Teams". Further down are two sections: "Recently Added Projects" and "Recommended Projects". Each section contains three project cards. Each card has a colored circular icon with a robot head, a title, a brief description, and a blue link labeled "View Details". The projects listed include "Delivery Robot Prototype", "Autonomous Drone Research", "Assistive Robotics Design", "Robotic Arm Development", "Mobile Robot Simulation", and "Swarm Robotics Planning".

Welcome, Dip
Khastagir

15
Active
Projects

3
Pending
Offers

312
Robotics
Companies

278
Robotics
Teams

Dashboard

My Projects

Explore
Projects

Explore
Companies /
Teams

Messages

Earnings

Settings

Help

Log Out

Recently Added Projects

Delivery Robot Prototype

Developing a new robot for package delivery automation

[View Details](#)

Autonomous Drone Research

Researching AI systems for autonomous drone navigation

[View Details](#)

Assistive Robotics Design

Designing assistive robots for healthcare applications.

[View Details](#)

Autonomous Drone Research

Researching AI systems for autonomous drone navigation

[View Details](#)

Recommended Projects

Robotic Arm Development

Planning the development of a precision robotic arm.

[View Details](#)

Mobile Robot Simulation

Creating realistic simulations for a mobile robot

[View Details](#)

Swarm Robotics Planning

Creating realistic simulations for a robot bot


[View Details](#)

Assistive Robotics Design

Designing assistive robots for healthcare applications.

[View Details](#)

Freelancer Dashboard Projects Page



[Dashboard](#)

[My Projects](#)

[Explore Projects](#)

[Explore Companies / Teams](#)

[Messages](#)

[Earnings](#)

[Settings](#)

[Help](#)

[Log Out](#)

Dip Khastagir

Projects


Status

Type

Date

Project	Start Date	Deadline	Assigned By
Autonomous Drone Navigation AI	June 18, 2024	July 26, 2024	Robotic Inc.
Warehouse Robot Development	May 1, 2024	June 18, 2024	Robotic Inc.
Assistive Robotics Application	March 1, 2024	June 1, 2024	Robotic Inc.
Robotic Arm Simulation	January 11, 2024	February 4, 2024	Robotic Inc.

Freelancer Dashboard Explore Project Page



[Dashboard](#)

[My Projects](#)

[Explore Projects](#)

[Explore Companies / Teams](#)

[Messages](#)

[Earnings](#)


[Settings](#)

[Help](#)


[Log Out](#)

AI-Based Projects Suggestions


Here are project ideas tailored to your profile and interests




AI-Powered Robotic Arm
Design an advanced robotic arm with AI-driven motion control and precision tasks



AI-Powered Robotic Arm
Design an advanced robotic arm with AI-driven motion control and precision tasks



AI-Powered Robotic Arm
Design an advanced robotic arm with AI-driven motion control and precision tasks

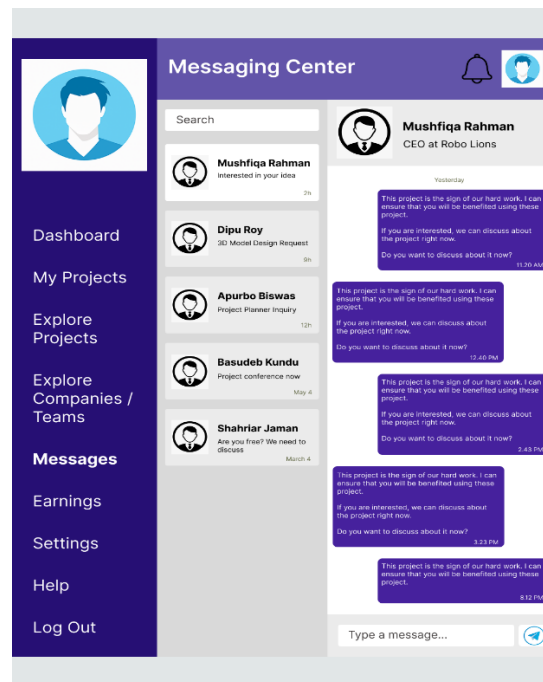


AI-Powered Robotic Arm
Design an advanced robotic arm with AI-driven motion control and precision tasks

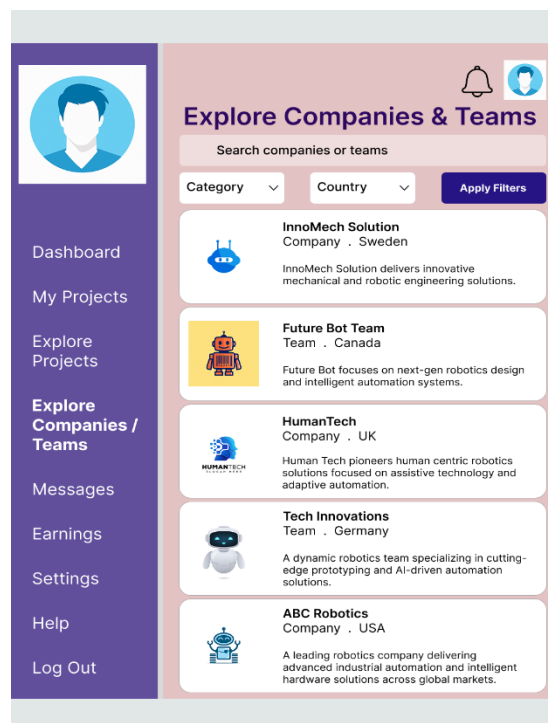
Refresh Suggestions

Explore Posted Task

Freelancer Dashboard Messaging Page



Freelancer Dashboard Explore Companies & Teams Page



Explore Public Projects Page



Robo Hatch

[Home](#)

[About](#)

[FAQ](#)

[Sign In](#)

Explore Public Projects

Search projects

All Categories



Autonomous Mobile Robot

Development of an autonomous robot capable of navigating and operating in dynamic environments.

By [Shahriar J.](#)

5 days ago



Robotic Arm Prototype

Design and prototyping of a robotic arm for precise manipulation tasks

By [Dip k.](#)

1 week ago



Quadruped Robot Research

Exploring quadruped robot locomotion and control algorithms for terrain adaptation.

By [Basudeb k.](#)

2 week ago



Warehouse Automation System

Design and implementation of a robotic system for automating warehouse operations.

By [Dipu R.](#)

3 week ago

Explore Public Freelancers Page



Robo Hatch

[Explore](#)

[Pricing](#)

[FAQ](#)

[Sign In](#)

Explore Public Freelancers

Discover robotics freelancers who have made their profiles public

Search Freelancers

All Roles



DIP K.

Robotics Project
Planner & Researcher



NIRJHOR

3D Model Designer &
CAD Engineer



NIJHUM R.

Hardware Prototyping



DIPU R.

Software
Developer for Coding



MUSHFIKA R.

Software Developers-
Coding



L. MESSI

Testing & Debugging



RAFIT T.

Deployment



ALMAS A.

3D Model Designer &
CAD Engineer



TONMOY P.

Testing & Debugging



David W.

Maintenance

Explore Public Companies/Teams Page



[Explore](#) [Pricing](#) [FAQ](#)

[Sign In](#)

Explore Public Companies/ Team

Search

All Categories

Search



Robo Manufacturing Corporation

Specializes in durable hardware prototyping services



Automation Engineers Group

Experts in coding integration for automation



Test Robotics

Providing thorough testing and debugging solutions



Deploy Tech

Offering deployment services for robotic system

Pricing & Subscription Plans Page



[Browse](#) [About](#) [Pricing](#) [FAQ](#) [Contact](#) [Log In](#)

[Sign Up](#)

Pricing & Subscription Plan

Choose the plan that's right for your robotics projects

Free

\$0

- Access to browse projects.
- Limited project submissions
- Basic support
- AI recommendation

Get started

Standard

\$29/month

- Access to browse projects.
- Limited project submissions
- Priority support
- Enhanced AI recommendation

Choose Plan

Premium

\$79/month

- Access to browse projects.
- Unlimited project submissions
- Priority support
- Enhanced AI recommendation


Choose Plan

Enterprise

Custom

- Access to browse projects.
- Unlimited project submissions
- Dedicated support
- Advanced AI recommendation

Contact Us



Dashboard

My Projects

Explore Freelancers

Explore Freelancers

Explore Companies / Teams

Messages



Earnings

Settings

Help

Log Out

Welcome, ABC Robotics



7
Assigned Tasks

42
Open Proposals

715
Robotics Freelancers

214
Robotics Projects

Recently Added Projects

Robotic Arm Development
Delivering a new robotic model
[View Details](#)

Warehouse Robot Prototyping
Delivering a new robotic simulation model
[View Details](#)

Delivery Robot Control System
Preparing a new control of robotics remote
[View Details](#)

Swarm Robotics Co-ordination
Support assistive robotics programming
[View Details](#)

Recommended Freelancer

Dip Khastagir
Experienced Mechanical Designer
[View Profile](#)

Dipu Roy
Robotics Research Specialist
[View Profile](#)

Shahriar Jaman
Autonomous Robotic Programmer
[View Profile](#)

Basudeb Kundu
3D Modeling and CAD Engineer
[View Profile](#)

TABLE OF CONTENTS

1. Introduction

2. Information We Collect

3. How We Use Your Information

4. Sharing and Disclosure

5. Sharthing and Discharo Ing

6. Data Retention

7. Your Data Rights

8. Cookies and Tracking Technologies

9. Data Security

10. Your Data Rights

11. Cookies and Tracking Techmblogies

12. Data Security

13. Updates to this Policy

1 Introduction

Robo Hatch takes your privacy seriously. This policy explains how we collect, use, and protect your personal data (e.g, information that identifies you).

2 Information We Collect

• Personal details like name, email address

• Usage data

• Device Information

Some provided directly, some collected automatically.

3 How We Use Your Information

• Provide services, and information as you requested

• Improve Robo Hatch

• To comply with legal obligations

2 Provide services, and information as you requested

2 Improve Robo Hatch

2 To comply with legal obligations

< Back to Terms & Conditions

FAQ

FAQs

Contact Us

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TABLE OF CONTENTS

1. Acceptance of Terms

2. User Accounts & Eligibility

3. Roles Resesponsibility

4. Dispute lresalution

5. Third-Party Links

6. Platform Behavior & Rules

7. Dispute Desclosure

8. Changes to Terms

9. Limitation of Terms

1 Acceptance of Terms

Robo Hatch takes terms rivacy seriously. This policy explains how we collect, use and protect your personal data. es

2 User Accounts & Eligibility

Lorem ipsum lulor scit amet, consectetur adipiscing elit. Useec Imper peletequv, lectus quis at arus er uril.

4 Intellectual Property

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Pellentesque libero eec.

5 Intellectual Property

• Provide services, and information as you requested

• Improve Robo Hatch

• To comply with legal obligations

☐ I agree to the Terms & Conditions

ACCEPT & CONTINUE

< Back to Top

FAQ

Privacy Policy

Contact Us

FAQ

© 2025 Robo Hatch

Contact Us Page

Get in Touch

Got a question or proposal, or just want to say hello? We'd love to hear from you.

Name

Email

Message

Send

Email

contact@example.com

Call

+1234567 890

Address

1234 Sample Street

Gulshan, Dhaka.

FAQ / Help Center Page

FAQ / Help Center

Find answers to common questions or get support for your robotics journey with Robo Hatch.

Search

Getting Started

How do register for an account ?

>

Freelancers

Purchase resocese/ A small lor role

>

Companies & Teams

How I can contract or assig rode ?

>

Projects & Collaboration

How budget a manual procesor ?

>

Payments & Wallet

Access syncoymment accounting?

>

AI Recommendations

Integrate robotics robots-virture?

>

Robot Marketplace

Hide systems and haba chinas?

>

Legal & Security

Legal & Security

>

Popular Questions

• What is the escrow payment system?

• How do AI recommendations work?

• How can I sell my robots on Robo Hatch?

Still need help?

Contact Support

Was this page helpful?

Contact Us

Terms