Total Modules in AECearth
1. Landing page
2. Sign in, Sign Up
3. NewsFeed
4. Onboarding question - each for all the categories
5. Dashboard - Overview
6. Create proposal
7. Find professionals
8. Find builders and promoters
9. Find Contractors
10. Find Vendors
11. Find labours
12. Architecture Album
13. Booking Slot
14. Business contacts
    a. Requests received
    b. My Network
    c. My contractors
    d. My Vendors
    e. My Clients
    f. My builders and promoters
    g. My Professionals
    h. My labours
15. Communication Hub
    a. Create group
    b. Individual chat
    c. Group chat
16. Manage requirement
    a. Created requirement
    b. Posted requirement
    c. Available resources
17. Bid Management System
18. Profile
    a. Logout
    b. Post My availability
    c. Manage profile
19. Notification
20. Wishlist
    a. Contractors
    b. Vendors
    c. Professionals
    d. Builders and promoters
    e. Labours
21. Store
    a. Product Browsing
    b. Purchase and Payment module
    c. Order tracking
22. VMS

a. Upload products
b. Order management
c. Invoice and payment
d. Stock management

Common Modules:
- ➢ Landing page
- ➢ Sign in, Sign Up
- ➢ NewsFeed

Client dashboard:
- ➢ Onboarding question - each for all the categories
- ➢ Dashboard - Overview
- ➢ Create proposal
- ➢ Find professionals/builders and promoters/Find Contractors/Find Vendors/Find /labours
- ➢ Architecture Album
- ➢ Booking Slot
- ➢ My contractors
- ➢ My Vendors
- ➢ My builders and promoters
- ➢ My Professionals
- ➢ My labours
- ➢ Communication Hub
- ➢ Created requirement
- ➢ Available resources
- ➢ Bid Management System
- ➢ Profile
- ➢ Notification
- ➢ Wishlist
- ➢ Contractors
- ➢ Vendors
- ➢ Professionals
- ➢ Builders and promoters
- ➢ Labours

Builders and promoters:

- ➢ Onboarding question - each for all the categories
- ➢ Dashboard - Overview
- ➢ Create proposal
- ➢ Find professionals/Find Contractors/Find Vendors/Find labours
- ➢ Architecture Album
- ➢ Booking Slot
- ➢ My contractors
- ➢ My Vendors
- ➢ My Clients

- ➢ My Professionals
- ➢ My labours
- ➢ Communication Hub
- ➢ Created requirement
- ➢ Available resources
- ➢ Bid Management System
- ➢ Profile
- ➢ Notification
- ➢ Wishlist
- ➢ Contractors
- ➢ Vendors
- ➢ Professionals
- ➢ Labours
- ➢ Store
- ➢ VMS

Professional Dashboard:

- ➢ Onboarding question - each for all the categories
- ➢ Dashboard - Overview
- ➢ Find professionals/Find Contractors/Find Vendors/Find labours
- ➢ Architecture Album
- ➢ Booking Slot
- ➢ My Network
- ➢ My contractors
- ➢ My Vendors
- ➢ My Clients
- ➢ My builders and promoters
- ➢ My labours
- ➢ Communication Hub
- ➢ Created requirement
- ➢ Posted requirement
- ➢ Available resources
- ➢ Bid Management System
- ➢ Profile
- ➢ Post My availability
- ➢ Notification
- ➢ Wishlist
- ➢ Contractors
- ➢ Vendors
- ➢ Professionals
- ➢ Labours

Vendor Dashboard:

- ➢ Onboarding question - each for all the categories
- ➢ Dashboard - Overview
- ➢ Find Vendors/Find labours
- ➢ Architecture Album
- ➢ Booking Slot
- ➢ My Network
- ➢ My contractors
- ➢ My Clients
- ➢ My builders and promoters
- ➢ My Professionals
- ➢ My labours
- ➢ Communication Hub
- ➢ Created requirement
- ➢ Posted requirement
- ➢ Available resources
- ➢ Bid Management System
- ➢ Profile
- ➢ Post My availability
- ➢ Notification
- ➢ Wishlist
- ➢ Contractors
- ➢ Vendors
- ➢ Professionals
- ➢ Labours
- ➢ Store
- ➢ VMS

Contractor dashboard:

Onboarding question - each for all the categories
Dashboard - Overview
Find professionals/Find Contractors/Find Vendors/Find labours
Architecture Album
Booking Slot
My Network
My Vendors
My Clients
My builders and promoters
My Professionals
My labours
Communication Hub
Created requirement
Posted requirement
Available resources
Bid Management System
Profile

Post My availability
Notification
Wishlist
Contractors
Vendors
Professionals
Labours

Labours Dashboard
Onboarding question - each for all the categories
Dashboard - Overview
Find labours
Booking Slot
My Network
Communication Hub
Posted requirement
Bid Management System
Profile
Post My availability
Notification

1. **Landing page**

Image with content,

WELCOME TO AECEARTH

PRACTICE, ENGAGE AND CONNECT WITH THE LARGEST NETWORK OF THE AEC PROFESSIONALS.

Sign Up - Clicking on it redirects to Sign Up As block where user can sign up based on roles

Sign in - Redirects to the Sign in page

Why Choose AECearth?

AEC Industry being the world's largest Industry by scale and construction being the basic need of client requirements with the involvement of multiple stakeholders in the industry, To Engage, Practise and Connect with the network of the AEC Professionals and stay up-to date with the current trends of the Industry.

Mission & Vision

To transform the AEC industry to international standards with value-added technology to enable engagement & collaboration between Architects, Engineers, Academic professionals, and beyond. Bringing high standards of employment and growth to this Industry.

Our Strength

All Stakeholders include Professionals, Allied-Professionals, Future Professionals, Academia, Implementers, Vendors, Investors, and Clients. The platform is to meet the demands of the AEC Industry and beyond. Together let's BUILD the FUTURE of the AEC Industry.

Sign Up As

Professionals - Professionals who can provide consultation such as Architects, Engineers, and Academic Professionals sign up here.

Vendors - Implementors, Construction Material vendors, Engineering Material Vendors, and Interior design vendors signing up here.

Clients - Individuals, developers, and builders wanting to Involve professionals Implementation specialists, and Vendors Sign up Here.

Contractors - Individuals, developers, and builders wanting to Involve professionals Implementation specialists, and Vendors Sign up Here.

Posting your requirement on AECearth

Owning a home, a property, building Infrastructure and development is a complex process, with the involvement of the right professionals in the industry.

- Choose your expert professional
- Post your detailed requirement
- Get your project started and completed with the professionals of the industry

Finding the right job in the Industry

- Engage Clients
- Find the right job in the Industry
- Be an Individual consultant

DIFFERENT STAKEHOLDERS OF AECEARTH

Professionals

AECearth is associating with a large of professionals like Architects, Interior Designers, Engineers, Fine Arts Professionals, Historians, Conservation Specialists, etc.; to cater their professional services to the people with requirements inside our community

Allied Professionals

AECearth is also associated with Allied Professionals to offer services like Legal services, financial services, and Tax-audit services which are very much required for the AEC Industry. Along with Individuals, all stakeholders of our platform AECearth can also use these services according to their needs and fulfill their requirements and they can provide their services hassle-free without having to worry much about those components.

Implementation Service Providers

AECearth is associated with Implementors of different verticals such as Building contractors, Steel Structures contractors, and specialty implementation contractors such as swimming pool contractors, Landscaping contractors, Interior Contractors, and so on. By Joining our platform your unique design Implementations can also become hassle-free. By posting your exact requirement we will be able to connect you with the right kind of professionals.

News Feed

The news feed allows users to post updates, images, and interact with the community. It includes:
Post Creation: Users can create posts with text and images.
Like, Comment, and Share: Users can like, comment on, and share posts.
Feed Management: Moderation tools for managing posts and interactions.

Module 3: Create Proposal
Client can create proposal for the required role based on the project needs and can send it to wishlist people or public for the bidding, these will get post to the people based on the role who are in wishlist/public which will enable them to apply for the proposal. Client will be able to see no of proposal created, applied members for the each proposal

Find professionals/Find builders and promoters/Find Contractors/Find Vendors/Find labours

These modules contains the information of each role like name, category, specialization, experience location and have options to view profile, add in wishlist, send request, It contains filters which will make the user to find people based on category specialization, location and experience

Architecture Album:

Architecture album will be created by the architects who wants to showcase their work and this album will be available in all dashboards.

Only for the users who enrolls as architect, this creating album will be available and remaining users only can view this album.

Create album form:

1. Choose file for images
2. Album name
3. Category

The below information will be available for other user's dashboard after posting

1. Album images
2. Name
3. Avatar of the architect who created
4. Architect Ratings

And there will be category options which can varies the architecture album.

Book Slot
Schedule Meeting: Users can book slots to conduct meetings with connected people by bidding or sending request
Calendar Integration: Integrate with the user's calendar to notify them about the meeting, the people will be attended, other details like the duration, date, purpose of meeting
The User who created will be able to edit delete, update the meeting scheduled, the meeting history also will be shown.

Business contacts
Requests received - List of request received from the different types roles in AECearth, User is able to accept or reject the requests, after accepting the requests the other users will be listed in below categories based on their role, and there is a message box where User is able to send them the message and even view their profile

➢ **My Network -** The people who are in the same category will be listed in Mynetwork, example - If Professionals has another professionals in his contact they will be put under My network, these will get updated through sending and accepting request and from bidding as well
➢ **My contractors -** The list of contractors business contacts
➢ **My Vendors -** The list of Vendors business contacts
➢ **My Clients -** The list of Clients business contacts
➢ **My builders and promoters -** The list of builders and promoters business contacts
➢ **My Professionals -** The list of Professionals business contacts
➢ **My labours -** The list of labours business contacts

Communication Hub

In communication hub there should be 3 options

1. Create Group

2. Individual chat

2. Group chat

Create a group - Button - Should open the form required to create the group

Form fields :

1. Group Name
2. Group Avatar or Profile Picture
3. Invite Members
4. Submit Button
5. Cancel or Back Button
6. Error Messages

after creating the group users should be able to

- search
- exit group
- Group info
- invite and delete group option should be enabled only for the client
- members in detail
- media
- docs
- link that has been shared In the group.

Confirmation prompts should be provided for sensitive actions like exit group

Options to send text and media, links and documents in the chat section.

Creation Date - include the date when the group was created to provide context on its history.

After creating the group

High level visualization of the group

1. **Group Name**
2. **Group Avatar or Profile Picture:**

Inside the group, group members should be able to chat, share files, links and documents.

1.Individual chat

In individual chat user should be able to chat with each user individually and minimum options for individual chat will be available.

New chat option should available and it should display the member who are already connected with the user.

High level visualization of the individual chat

1. **Name**
2. **Avatar or Profile Picture:**

Manage requirement
My requirements:

In my requirements, user A should be able to add requirement using create requirement form by clicking the add requirement icon

Create requirement form fields:

1.   Location

2.   Looking for

3.   Specialization

4.   Work Starts in

5.   Duration of work

6.   Work value

7.   Work details

8.   Project image

9.   Add a document

The form created will be shown in my requirements as a card with below details for the creator reference.

1. Location
2. Looking for
3. Specialization
4. Work Starts in
5. Duration of work
6. Work value
7. Avatar of the Members applied / No members applied

These card should have the option to edit, view, hide and delete.

After submitting this form, this form will get displayed in the other users(User B) posted requirement tab, and only the users who registered with the particular category(interior architect) which user A created the requirement form for, and not every users.

Available Resources

This page shows the available people of the requirement that user A created.

These available people will be prioritized based on the role User A Created and their ratings.

There is filter option for the location, and also to choose the categorization, and specialisation, and experience.

The available people will be shown in the cards with the below information

1. Avatar
2. Name
3. Specialization /company name
4. Preferred Location
5. Experience
6. Joining
7. Ratings
8. View Profile Button
9. Connect Button

After clicking view profile button user will get redirected to the user B's profile.

Clicking on connect button will send the request to User B. if the user clicks the button it will send a particular connection request to User B, once User B accepts the requirement, User A can text with User B's and the they will also gets added in the particular roles as ex. My vendors, Contractor, Professionals, Clients

Posted requirements

The posted requirement will have the requirements came for that particular user role, Ex, if I have signed as interior architecture all requirement came for that particular role will be displayed in my posted requirement.

User can apply for this requirement using the apply button.

The below information will be displayed in the user's (User B) posted requirement

1. Avatar of the one who created the form
2. Name
3. Location
4. Looking for
5. Specialization
6. Work Starts in
7. Duration of work
8. Work value
9. Apply Button

After clicking the apply button User B can see the bid submission for that posted requirement.

The below fields should be there in the **Bid submission form:**

1. Can start the work on:
2. Duration needed:
3. Work value:

4. Description
5. File Submission
6. Submit button

After clicking the submit button, this form will get submitted in the other user table who actually created this particular requirement (User A). In the avatar of applied members who have applied for this created role will be displayed

Bidding Management

In Bidding management User should be able to choose the people for the created proposal or created requirement based on their expertise, budget, location, experience

After Clicking Avatars of applied members User A should be able to see the total number of bids submitted by that applied members as table

In that **bid list,** user A should be able to see the below information.

1. Avatar

2. Name

3. Can start the work on:

4. Duration needed:

5. Order value:

6. View more icon

7. Approach symbol

8. Check Box

After clicking on **view more** User should be able to see all the information submitted by the other user like description and the document download option and View profile Button

After clicking the **download button**, document which has uploaded should get downloaded.

After clicking **Avatar** button user will get redirected to the user B's profile,

After clicking on Approach icon, User B will get notified that the User A wants to approach him since he is interested in the bid and his profile, and once User B Accepts the request, User B will be added in User A's dashboard as My vendors, Clients or professionals based on the role and vice versa. After connecting chat and check box to add them in the group options will be available

By using the Check box user should be able to select and create a new group or add them in the existing group, and these group people will be integrated to the chat system where they can collaborate with each other

Profile
Logout - User can logout by clicking on Logout button under the profile section

Post my availability
Users can post their availability using the below form
1. Preferred Location
2. Experience
3. Joining

And the below remaining details will be fetched from the data base
1.   Avatar
2.   Name
3.   Specialization /company name
4.   Ratings

These card should have the option to edit, view, hide and delete.

Notification

These notification module contains the overall notifications will be received for the Users. The notification will get received for the below reason

Sending request

Accepted request

New requirement

New Proposal

New messages/group/individual

New meetings

News feed - like, comments

Wishlist

This module contains the list of people who added in wishlist based on the below category

➔ Contractors - Contractors who are in wishlist
➔ Vendors - Vendors who are in wishlist
➔ Professionals - Professionals who are in wishlist
➔ Builders and promoters - Builders and promoters who are in wishlist
➔ Labours - Labours who are in wishlist

Store
Product Browsing: Users can view and search for products.
Purchase and Payment: Users can select products, add them to a cart, and proceed to checkout using various payment methods.

Order Tracking: Users can view the status of their orders.

> ➢ VMS
>   ➔ Upload products
>   ➔ Order management
>   ➔ Invoice and payment
>   ➔ Stock management

Upload products

Product Catalog Management:

Vendors have access to a product catalog management interface where they can:
Add new products or materials to their catalog.
Update existing product details such as descriptions, quantities, and prices.
Remove discontinued products from the catalog.

Upload Process:

Vendors can upload goods and materials to their catalog by providing:
Product name
Description
Quantity available
Unit price   `
Images

Order Management
Order Processing: Orders placed by users are tracked and managed by vendors.
Status Updates: Order statuses are updated by vendors and reflected in the user interface.

Payment and Invoicing
Payment Gateway Integration: Integration with payment gateways for processing payments.
Invoice Generation: Automatic generation of invoices upon successful payment.

Stock Management
Inventory Tracking: Real-time tracking of stock
Stock Alerts: Notifications for low stock levels.