IBDL Core Business System — Role-Based Access Control (RBAC)

# User Groups & Roles

## System Admins

- Super Admin

- QA Admin

- Examination Admin

- Assessment Admin

- eLearning Admin

- CMS Admin

## Partners

- Training Center

- Testing Center

- Trainer

- Corporate Account

## End Users

- Individual Trainee

# RBAC Structure by User Groups

• System Admins have role-specific access to their assigned modules and system management tasks.

• Super Admin has full system access including users, content, settings, and all modules.

• Partners manage their own data and activities related to accreditation, training, and testing within their scope.

• End Users (Individuals) have limited access to their own learning journeys, exam bookings, and progress tracking.

# High-Level RBAC Matrix per Group

|  |  |  |  |
| --- | --- | --- | --- |
| Module | System Admins | Partners | End Users |
| User Management | ✔️ Full Access | ✔️ Self Management | ✔️ Self Management |
| Accreditation Management | ✔️ Manage All | ✔️ Apply / View Own | ❌ |
| Corporate Account Management | ✔️ View / Manage | ✔️ Corporate Only | ❌ |
| E-Learning Access | ✔️ Admin Access | ❌ | ✔️ Own Access |
| Course Management | ✔️ Admin Access | ❌ | ❌ |
| Assessment Management | ✔️ Admin Access | ❌ | ❌ |
| Exam Booking & Approval | ✔️ Manage All | ✔️ Book / Approve | ✔️ Book Own |
| Question Bank Management | ✔️ Admin Access | ❌ | ❌ |
| Content Management (CMS) | ✔️ Admin Access | ❌ | ❌ |
| Notifications & Templates | ✔️ Admin Access | ❌ | ❌ |
| Reports & Dashboards | ✔️ Full Access | ✔️ Own Data | ✔️ Own Progress |

# Low-Level RBAC – Action-Level Matrix

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Module / Action | Super Admin | QA Admin | Examination Admin | Assessment Admin | eLearning Admin | CMS Admin | Training Center | Testing Center | Trainer | Corporate Account | Individual Trainee |
| Users Management | CRUD Users | View | ❌ | ❌ | ❌ | ❌ | Self | Self | Self | Self | Self |
| Roles & Permissions | CRUD Roles | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ |
| Accreditation Applications | CRUD All | View & Approve | ❌ | ❌ | ❌ | ❌ | Apply | Apply | Apply | ❌ | ❌ |
| Accreditation Status Tracking | ✔️ | ✔️ | ❌ | ❌ | ❌ | ❌ | View Own | View Own | View Own | ❌ | ❌ |
| Corporate Account Management | CRUD | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | CRUD Own | ❌ |
| Employee Management | CRUD | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | CRUD | ❌ |
| Exam Booking Management | View & Override | ❌ | CRUD & Approve | ❌ | ❌ | ❌ | ❌ | Approve / Reject | ❌ | CRUD Own | Book Own |
| Exam Monitoring & Control | View & Control | ❌ | Monitor & Control | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ |
| Temporary Exam Logins Generation | System/Auto | ❌ | System/Auto | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ |
| Question Bank Management | CRUD | ❌ | ❌ | CRUD | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ |
| Exam Rules Management | CRUD | ❌ | ❌ | CRUD | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ |
| Courses Management | CRUD | ❌ | ❌ | ❌ | CRUD | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ |
| Learning Content Management | CRUD | ❌ | ❌ | ❌ | CRUD | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ |
| E-Learning Access | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | Access Own |
| CMS Management | CRUD | ❌ | ❌ | ❌ | ❌ | CRUD | ❌ | ❌ | ❌ | ❌ | ❌ |
| Notification Templates Management | CRUD | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ |
| Reporting & Analytics Access | View All | View QA Reports | View Exams | ❌ | View Learning | ❌ | View Own | View Own | View Own | View Own | View Own |
| Audit Logs & System Settings | View | View | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ | ❌ |

# Useful Notes about the Users & Access Control

• Super Admin has overriding permissions across all modules.

• Each Admin Role (QA, Examination, Assessment, eLearning, CMS) has granular permissions limited to their functional area.

• Partners have role-specific access with strict data boundaries (they manage only their data).

• Testing Centers are unique as they have approval roles in Exam Bookings.

• Corporate Accounts manage only their linked employees and booking activities.

• Individuals have fully self-service access limited to their profile, learning, and exam activities.

• Temporary Exam Logins are generated automatically by the system with no manual intervention.