CLIMB FIT

Interactive LED Climbing Walls for Schools, Clubs & Commercial Gyms

Products, Sizes, Turnkey Delivery & Technical Specifications · 2026

● ZERO-HARNESS SAFETY ● SMART APP CONTROL ● TURNKEY STAGES



www.climbfit.in | contact@climbfit.in | +91 8982 789 640

OVERVIEW · 02

The Smart Infrastructure Solution

Transform any indoor wall into an interactive, app-controlled climbing arena.

Traditional climbing walls require days of downtime and manual route-setting. ClimbFit combines modular hardware, high-friction holds with integrated RGB LEDs, and intuitive app control on a single space footprint.

- **Modular Engineered Wall**
  Precision steel framework with high-grade Baltic birch panels and impact protection.
- **RGB LED Smart Hold Matrix**
  Individually controlled hold illumination guiding climbers through 10,000+ routes.
- **Zero Physical Reset Downtime**
  Switch difficulty grades, athletic drills, and youth games with a tap in the mobile app.



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OUR PRODUCTS · 03

ClimbFit Training Board & Configurations

Engineered steel frame, Baltic birch panels, sealed RGB LED holds, and custom dual-layer crash mats.

CONFIGURATION S

8 × 12 ft

198 Holds

Residential clubs, boutique studios, compact school corners, private training setups.

✓ **Dual-layer safety crash mats included**

CONFIGURATION M

12 × 12 ft

270 Holds

The versatile standard. Perfect for school athletic centers, commercial bouldering gyms.

✓ **Dual-layer safety crash mats included**

CONFIGURATION L

15 × 12 ft

324 Holds

Maximum training density. Multi-user capacity for universities, climbing teams, academies.

✓ **Dual-layer safety crash mats included**

WHO WE SERVE · 04

Schools & Institutional Sports

Olympic-Level Youth Climbing Infrastructure with 100% Zero-Harness Safety

01. 100% Zero-Harness Safety

Installed as low-height bouldering / traverse boards. No belaying, no rope gear, and zero heights anxiety.

02. PE & Athletic Curriculum Integration

36-week structured lesson plans building functional core strength, coordination, and athletic agility.

03. Physical Chess (Cognitive Development)

LED memory patterns, route visualization, and spatial problem-solving under physical exertion.

04. 1-Term Campus Pilot Programme

Complete turnkey deployment: certified safety padding, teacher training, pre-loaded games, and SLA.

OFFERINGS · 05

Continuous Traverse Walls

Multi-User Low-Height Horizontal Climbing for Active Spaces & Corridors

Simultaneous Multi-User Flow

Accommodates 4 to 8+ students or gym members traversing simultaneously side-by-side.

Low Ceiling Friendly

Perfect for spaces with 8–10 ft ceiling limits; maximizes lateral wall square footage.

Modular Length Expansion

Scales smoothly from 12 ft to 24, 36, 48+ ft lengths with continuous LED matrix.

Interactive Relays & Drills

Pre-programmed with continuous loop endurance tracks and timed alphabet runs.



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DELIVERY PROCESS · 06

Turnkey Solutions — 6 Implementation Stages

01 Site Inspection

Scan room clearance, structural wall integrity, power points, and floor safety boundaries.

02 Design & Layout

3D architectural model tailored to room dimensions, wall-mounted vs freestanding frames.

03 Hardware Assembly

Engineered steel frame, CNC RGB plywood panels, sealed LED harness, and controllers.

04 Custom-Fitted Matting

Fabrication of certified crash dual-layer high-density mats cut to exact room contours.

05 App Calibration

Pair iOS/Android tablets via Bluetooth/Wi-Fi, calibrate LED matrix, and sync route databases

06 Staff Onboarding

Comprehensive training for and physical educators gym coaches on route creation & safety.

SUPPORT · 07

Installation & Maintenance Ecosystem

Turnkey Engineering Installation

Professional non-destructive installation by certified structural technicians with zero downtime disruption.

Over-The-Air (OTA) Updates

Firmware enhancements, bug fixes, and continuous route database expansions delivered directly via Wi-Fi.

Instant Self-Diagnostic Mode

In-app automated diagnostic scan testing all LED nodes, current draw, and BLE transmitters in under 30 seconds.

Scheduled Safety & Padding Checks

Annual certified assessment of crash mat foam resilience, anchor points, and hold fasteners.

Direct Support & Spare Modules

Rapid priority dispatch of replacement hold shells, power supplies, and control units (+91 8982 789 640).

CONTACT & NEXT STEPS · 08

Future-Proof Your Sports Infrastructure

Explore customized ClimbFit configurations tailored to your space, room height, and athletic goals.

CONNECT WITH OUR SPORTS INFRASTRUCTURE SPECIALISTS

Book a complimentary 3D site assessment, request architectural BIM drawings, or discuss campus pilot:

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