iKinetec
Move Better • Heal Faster • Live Stronger

AI PHYSIOTHERAPY APPLICATION

For Physiotherapists · Orthopaedic Surgeons
PM&R Physicians · Rehabilitation Clinics

CLINICAL DECISION SUPPORT · COMPUTER VISION

Objective physiotherapy, measured to the degree.

iKinetec turns a clinic tablet into a markerless biomechanics lab, an evidence-backed rehab planner and a complete practice manager — with the clinician in control of every decision.



33-point
on-device skeleton tracking

Specially designed for 11" – 14" tablets
iPad & Android · landscape clinical layout · large touch targets

IKINETEC AT A GLANCE

29 Body regions	**146** Pinpoint sub-zones	**53** Pathology groups	**627** Sub-conditions
19 Red-flag safety checks	**22** Voice languages	**71** Kinematic formulas	**4** Camera view modes

License-based
Secured, device-bound clinic seats

Monthly subscription
No heavy upfront investment

No extra hardware
No sensors, markers or goniometers

Book a live in-clinic demo

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WHERE DOES IT HURT?

29 body regions · 146 pinpoint sub-zones

Touch-to-select 2D map and rotatable 3D WebGL anatomy (adult male, female, paediatric). Multi-point pain selection, dual VAS 0–10, 9 pain qualities, stiffness timing and radiation pathways.

Head & Craniofacial	Cervical Spine	Shoulder Complex L·R
Upper Arm L·R	Elbow L·R	Forearm L·R
Wrist & Hand L·R	Thoracic Spine	Chest & Ribcage
Lumbar Spine	Sacroiliac & Pelvis	Abdomen & Core
Hip & Groin L·R	Gluteal Region	Anterior Thigh L·R
Posterior Thigh L·R	Knee L·R	Lower Leg & Calf L·R
Ankle & Foot		

Sub-zones include C1–C7 levels, subacromial space, AC joint, carpal tunnel, TFCC, L4–L5 / L5–S1, SI joints, greater trochanter, VMO, joint lines, patellar & Achilles tendons, ATFL and plantar fascia.

53 pathology groups · 627 sub-conditions

Selected examples

Cervical Spine
Spondylosis, radiculopathy, whiplash, cervicogenic headache, facet syndrome

Shoulder Complex
Rotator cuff tendinopathy & tear, impingement, frozen shoulder, SLAP lesion

Elbow, Forearm & Wrist
Tennis & golfer's elbow, carpal tunnel, de Quervain's, cubital tunnel, TFCC

Thoracic & Ribs
Kyphosis, costochondritis, T4 syndrome, intercostal neuralgia, Scheuermann's

Lumbar Spine
Disc herniation, stenosis, spondylolisthesis, non-specific LBP, SI dysfunction

Hip & Pelvis
Hip OA, FAI, GTPS, piriformis syndrome, hamstring tendinopathy, labral tear

Knee Joint
PFPS, knee OA, meniscal tear, ACL/PCL rehab, jumper's knee, ITBS

Ankle & Foot
Ankle sprain, plantar fasciitis, Achilles tendinopathy, PTTD, Morton's neuroma

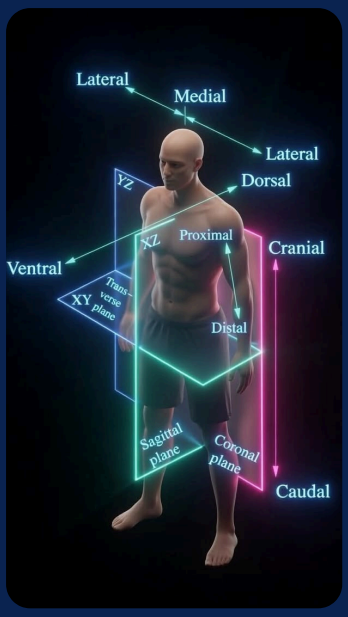
Post-Operative & Systemic
TKA, THA, discectomy / fusion, post-fracture rehab, fibromyalgia

3-tier clinical safety triage

TIER 1
Self-Physio
Low-risk postural and mild muscular strain — safe for guided home rehab.

TIER 2
Physio Approval
Tendinopathies and sprains — clinician approves before high-load exercise unlocks.

TIER 3
In-Clinic Only
Post-op, neurological or unstable cases — home exercise locked.



ON-DEVICE COMPUTER VISION

4 camera view modes

Normal View
Single front or side camera with live joint-angle callouts

4-View Grid
Anterior, posterior, left and right lateral in one panel

Skeleton Overlay
Bone vectors, joint centres and plumb line on live video

Anatomy View
All 33 landmarks with confidence and deviation callouts

33 landmarks · 30–60 FPS | 71 kinematic formulas | 45 normative ranges | Tablet tilt correction | Hands-free "Capture" | Video never leaves the tablet

19 red-flag safety screen

Emergency · Urgent

Screened before any plan is generated, aligned with IFOMPT, APTA and NICE guidance. A confirmed emergency flag locks exercise prescription and shows referral guidance.

- Cauda equina syndrome
- Spinal infection
- Cardiopulmonary mimicry
- Acute septic arthritis
- Inflammatory spondylopathy
- Compartment syndrome
- Paediatric non-specific limp
- Progressive motor deficit
- Major traumatic fracture
- Vertebrobasilar insufficiency
- Deep vein thrombosis
- Osteoporotic fracture
- Temporal arteritis
- Malignancy / cancer history
- Severe constant night pain
- Cervical myelopathy
- Abdominal aortic aneurysm
- Cranial nerve palsy
- Unstable spine / fracture

+ 3 yellow flags: fear-avoidance (kinesiophobia), stress & anxiety, sleep disruption — pacing is adjusted automatically.

22-language patient voice guidance

Calm voice · patient's own name

Camera alignment coaching, exercise countdowns and a "Listen to My Report" audio summary — in the patient's mother tongue.

12 INDIAN LANGUAGES

Hindi | Tamil | Telugu | Kannada | Malayalam | Bengali | Marathi | Gujarati | Punjabi | Odia | Assamese | Urdu

10 INTERNATIONAL

English US | English UK | English IN | Spanish | French | German | Arabic | Japanese | Portuguese | Mandarin

Phases of treatment & recovery protocol

PHASE 1 · Days 1–14
Acute Relief
Pain-free ROM, isometric holds 10–15 s, 1–2 × 8–10, 2–3× daily

PHASE 2 · Weeks 2–6
Mobility
Progressive loading, concentric & eccentric, 2–3 × 10–15

PHASE 3 · Weeks 6–12+
Strengthening
Functional strength, plyometrics, perturbation, 3–4 × 6–12

PHASE 4 · Discharge
Functional Maintenance
Home programme, adherence tracking, Day 14 / 30 reviews

Advance — pain ≤ 3/10 for 3 sessions, ROM ≥ 85% of norm, adherence ≥ 80%

Regress — pain up ≥ 2 points for 24 h+, or compensation seen on camera

200+ evidence-graded exercises · camera rep counting · form-deviation voice cues · Doctor Plan Editor with full clinician override

Research & evidence — 3-source decision support

1 · Clinical rules
Red flags, condition map, safety tiers

2 · Biomechanics
Measured angles vs normative ranges

3 · Live evidence
NIH / NCBI PubMed with PMID citations

EVIDENCE SOURCES REFERENCED

NIH · NCBI · Cochrane · APTA Orthopaedic Physical Therapy · JOSPT

AI & VISION TECHNOLOGY

Google AI · NVIDIA · TensorFlow · COMPUTER VISION

Built-in PubMed research explorer with AI-summarised abstracts: clinician takeaway, patient explanation and evidence grade.

Run your whole clinic

CRM
Enquiry → assessed → in rehab → review → discharged

Scheduling
Multi-therapist calendar, room conflict checks

Central Data Warehouse
Anonymised multi-clinic insights, no patient identifiers

Reports & Billing
3-page clinical PDF, WhatsApp & QR sharing, GST invoices

Contact us · book a live demo

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VISIT FOR DEMO
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iKinetec is a clinical decision-support tool; all assessments and plans are reviewed by a licensed clinician. Third-party names and logos identify technologies and evidence sources used and are the property of their owners; no endorsement implied.