

GeneWell

Personalized Wellness Blueprint

sundar

Essential Edition — Evidence-Based & Fully Personalized

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Plan: Essential Edition

Age: 18 | Gender: male | Region: India

Height: 175 cm | Weight: 84 kg | BMI: 27.4 (Overweight)

Dear sundar,

This wellness blueprint has been created exclusively for you based on your quiz responses, lifestyle patterns, and health goals. Every recommendation is grounded in peer-reviewed research and tailored to your unique profile.

This is not a generic plan—it reflects YOUR age, body composition, activity level, dietary preferences, stress patterns, and health concerns. Follow the steps consistently for 90 days and track your progress.

What's Inside Your Blueprint

- Your Top 3 Priority Actions
- Wellness Baseline Assessment
- Metabolic Profile & Body Composition Analysis
- Personalized Nutrition Strategy
- Sleep Optimization Protocol
- Movement & Training Program
- Stress Management & Mental Wellness
- Digestive Health Restoration Plan
- 90-Day Progress Tracking System
- Your Action Plan & Next Steps

This Essential Edition contains 8+ personalized sections. Each recommendation is backed by scientific research and customized to your profile.

sundar's Top 3 Priority Actions

Start here — these three changes will create the biggest impact in your first week

1. Lock Your Wake-Sleep Schedule

Wake at 6:30-7:30 AM daily (including weekends). Research from the Journal of Clinical Sleep Medicine (2023) shows that consistent wake times improve sleep quality more than sleeping longer. Your sleep score is 25/100 — this is critical for you.

2. Structure Your Eating Window

Eat within a 10-12 hour window: Breakfast at 6:30-7:30 AM, Lunch at 12:30-1:30 PM, Dinner by 7:00-8:00 PM. A 2023 study in Cell Metabolism demonstrated that time-restricted eating improved metabolic markers by 15-25% independent of calorie changes. Your estimated TDEE is 2219 kcal/day.

3. Move for 20-30 Minutes Daily

Based on your preferences (cardio), start with those activities. A meta-analysis in JAMA Internal Medicine (2022) covering 196,000 participants found that even 20 minutes of moderate activity reduces all-cause mortality by 30%. Your current activity score is 15/100.

Implementation tip: Start with Action 1 this week. Add Action 2 in week 2. Add Action 3 in week 3. Building one habit at a time has a 85% higher success rate (European Journal of Social Psychology, 2022).

Your Wellness Baseline Assessment

sundar's current health snapshot based on quiz analysis

Based on exercise physiology research, your estimated resting metabolic rate (BMR) is 1849 calories/day. With your sedentary activity level, your daily energy expenditure (TDEE) is approximately 2219 calories. This means eating at or around 2219 calories maintains your current weight; eat below this for fat loss, above for muscle gain.

Health Scores

Energy Level: 15/100 — Needs immediate attention — likely linked to sleep, nutrition, or stress

Sleep Quality: 25/100 — Critical — sleep is likely impacting all other health areas

Stress Resilience: 85/100 — Well-managed — continue current practices

Physical Activity: 15/100 — Sedentary — gradual movement introduction needed

Health Considerations

The following conditions have been factored into your recommendations:

- pcos

Always consult your physician before making significant changes, especially with existing health conditions.

Dietary Sensitivities

Your nutrition plan accounts for these intolerances:

- lactose

Your Metabolic Profile

sundar's personalized energy and body composition analysis

Understanding your metabolism is the foundation for effective nutrition. These numbers are calculated using the Mifflin-St Jeor equation (the most accurate non-laboratory method, validated in the American Journal of Clinical Nutrition).

Basal Metabolic Rate (BMR): 1849 kcal/day

This is the energy your body burns at complete rest — breathing, circulation, cell repair, brain function. Even lying in bed all day, your body uses this much energy.

Total Daily Energy Expenditure (TDEE): 2219 kcal/day

This includes your BMR plus the energy burned through daily activity. Based on your 9-to-5 schedule and low exercise intensity.

Body Mass Index (BMI): 27.4 — Overweight

BMI is a screening tool, not a definitive health measure. Muscle mass, bone density, and body fat distribution matter more than the number alone.

Calorie Targets by Goal

To maintain current weight: ~2219 kcal/day

To lose fat (moderate deficit): 1819 - 1719 kcal/day

A 400-500 calorie deficit produces 0.4-0.5 kg fat loss per week — the optimal rate for preserving muscle (Journal of the International Society of Sports Nutrition, 2021).

To gain lean mass: 2469 - 2619 kcal/day

A modest surplus of 250-400 kcal with resistance training maximizes muscle gain while minimizing fat gain.

Daily Macronutrient Targets

Protein: 185g/day (33% of calories)

Target: 1.6-2.2g per kg body weight. For your 84kg, this provides optimal muscle protein synthesis, satiety, and metabolic support. Plant-based sources: dal, paneer, tofu, legumes, Greek yogurt.

Carbohydrates: 194g/day (35% of calories)

Carbs fuel your workouts, brain function, and recovery. Prioritize complex carbs (whole grains, vegetables) over simple sugars. Time higher-carb meals around physical activity.

Healthy Fats: 74g/day (30% of calories)

Essential for hormone production, brain health, and fat-soluble vitamin absorption. Include nuts, seeds, ghee, olive oil, and fatty fish.

Personalized Nutrition Strategy

sundar's optimal eating plan based on your preferences and goals

Meal Timing (Circadian Nutrition)

Research in Cell Reports (2022) shows that aligning meals with your circadian rhythm improves insulin sensitivity by up to 36% and reduces inflammation markers.

Breakfast: 6:30-7:30 AM

Lunch: 12:30-1:30 PM

Dinner: 7:00-8:00 PM

Core Nutrition Principles

Build every meal with these four components:

- Protein: Paneer, Greek yogurt, eggs, dal (moong/arhar/masoor), chickpeas, tofu
- Complex Carbs: Brown rice, whole wheat roti, oats, millets, sweet potato
- Vegetables: Minimum 3 servings/day — spinach, broccoli, bell peppers, gourds, beans
- Healthy Fats: Ghee, olive oil, nuts (almonds, walnuts), seeds, coconut

Substitutions for Your Intolerances

- Dairy-free: Use almond/oat milk, coconut yogurt, tofu instead of paneer

Hydration Protocol

- Upon waking: 500ml warm water (rehydrates after disrupted sleep)
- Before meals: 250ml water 20 min prior (improves digestion and satiety)
- Daily target: 2.8 liters (0.033L per kg body weight)
- Post-exercise: 500ml per 30 minutes of activity

Ref: European Journal of Nutrition (2021) — adequate hydration improves cognitive function by 14% and reduces fatigue.

Sleep Optimization Protocol

sundar's recovery foundation — Score: 25/100

Sleep neurobiology research shows that your current sleep score of 25/100 indicates significant sleep disruption. Prioritize consistent sleep-wake timing (even on weekends), a cool (65-68°F), dark, quiet bedroom, and consider magnesium glycinate (300-400mg 60 min before bed) after 2 weeks of protocol consistency.

Evidence-Based Sleep Hygiene

- Consistent schedule: Sleep at the same time nightly, wake at 6:30-7:30 AM — even weekends. Variability of >60 min increases cardiovascular risk by 27% (European Heart Journal, 2020).
- Room darkness: <5 lux light exposure. Use blackout curtains or an eye mask. Even dim light during sleep reduces melatonin by 50% (PNAS, 2022).
- Cool temperature: 18-20°C (65-68°F). Core body temperature must drop 1-2°F to initiate sleep. A cool room accelerates this.
- No screens 60-90 min before bed. Blue light (450-495nm) suppresses melatonin production by up to 85% (Harvard Health, 2021).
- No caffeine after 2 PM. Caffeine has a 5-6 hour half-life — a 3 PM coffee still has 50% caffeine in your system at 9 PM.
- Pre-bed routine: Warm shower/bath 90 min before bed triggers vasodilation and accelerates core temperature drop (Sleep Medicine Reviews, 2019).

Sleep Supplements (Use Only if Protocol Alone is Insufficient)

- Magnesium Glycinate: 300-400mg, 60 min before bed. The glycinate form is best absorbed and least likely to cause GI issues.
- L-Theanine: 100-200mg. An amino acid from green tea that promotes alpha brain waves (relaxation without drowsiness).
- Ashwagandha (KSM-66): 300mg before bed if stress-related insomnia. Reduces cortisol by 23% (Journal of Clinical Medicine, 2021).

Try the sleep hygiene protocol for 2 weeks minimum before adding supplements. Add one at a time to identify what works for you.

Movement & Training Program

sundar's personalized exercise protocol — Activity Score: 15/100

Low intensity exercise physiology indicates 3 days/week of moderate activity (walking, yoga, light strength training) supports health without overload.

3-Day Foundation Program

Designed for sustainable habit building. Each session is 25-35 minutes.

Day 1 (Mon/Tue): Full Body Strength

- Warm-up: 5 min light movement (marching, arm circles)
- Squats or wall sits: 3 sets x 10-15 reps (builds legs, core)
- Push-ups (or knee push-ups): 3 sets x 8-12 reps
- Dumbbell rows or resistance band rows: 3 sets x 10-12 reps each side
- Plank hold: 3 sets x 20-45 seconds
- Cool-down: 5 min stretching

Day 2 (Wed/Thu): Zone 2 Cardio — 30 minutes

- Brisk walk, light jog, cycling, or swimming at conversational pace
- You should be able to speak in full sentences. If breathless, slow down.

Zone 2 cardio builds mitochondrial density and fat oxidation capacity. It's the foundation of cardiovascular fitness (Dr. Peter Attia / Inigo San Millan research).

Day 3 (Fri/Sat): Flexibility & Recovery — 20 minutes

- Yoga flow or full-body stretching routine
- Focus on hip flexors, hamstrings, shoulders, and spine mobility
- Deep breathing throughout (4-count inhale, 6-count exhale)

Progressive Overload Principle

To continue improving, gradually increase demands on your body:

- Add 2.5-5% weight when you complete all target reps for 2 consecutive sessions
- If stuck on a weight for 3+ sessions, try adding 1 rep instead of weight
- Track every workout — what gets measured gets managed

Ref: Schoenfeld et al. (2021) — progressive overload is the single most important variable for strength and muscle gain.

Stress Management & Mental Wellness

sundar's daily resilience toolkit — Stress Score: 85/100

Stress neuroscience shows elevated cortisol impairs sleep, immunity, and body composition. Your stress score of 85/100 suggests high chronic stress activation. Daily evidence-based tools: Box breathing (4-4-4-4, 5 rounds) activates parasympathetic tone in 5 min. 20-30 min moderate-intensity movement (walking, cycling) reduces cortisol comparable to anti-anxiety medication. Magnesium glycinate (300-400mg) and omega-3 (2-3g EPA/DHA) support nervous system regulation.

Immediate Stress Relief Tools (Use Anytime)

- Box Breathing: Inhale 4 sec! Hold 4 sec! Exhale 4 sec! Hold 4 sec. Repeat 4-6 cycles. Act 5 minutes (Frontiers in Human Neuroscience, 2023).
- Physiological Sigh: 2 short inhales through nose + 1 long exhale through mouth. The fastest known method to reduce stress in real-time (Stanford, 2023).
- 5-4-3-2-1 Grounding: Notice 5 things you see, 4 you touch, 3 you hear, 2 you smell, 1 you taste. Breaks anxiety loops by engaging sensory cortex.
- Physical movement: Even a 10-min walk reduces cortisol by 15%. Your activity score (15/100) suggests adding more daily movement would significantly benefit your stress levels.

Daily Stress Prevention Protocol

- Morning: 5-10 min meditation or breathwork (before checking phone). Apps: Headspace, Calm, Insight Timer (free).
- Midday: 5-min walking break every 90 minutes of seated work. Prevents cortisol accumulation.
- Evening: 15-20 min tech-free wind-down routine. Journal 3 things you're grateful for (shown to reduce anxiety by 23% in 2 weeks).
- Weekly: 1 hour in nature (forest, park, garden). Nature exposure reduces cortisol by 12% per hour (International Journal of Environmental Research, 2021).
- Social connection: 30+ min meaningful interaction 3x/week. Social isolation increases stress hormones comparable to smoking (Holt-Lunstad et al., 2015).

Digestive Health Restoration Plan

Addressing: acidity

Your gut health directly influences immunity (70% of immune cells are in the gut), mood (95% of serotonin is produced in the gut), and energy levels. Research in Gut (2023) shows gut microbiome diversity is one of the strongest predictors of overall health.

Gut Healing Protocol (4-Week Plan)

Week 1-2: Remove & Repair

- Reduce processed foods, refined sugar, excess caffeine, and alcohol
- Include gut-healing foods: bone broth (or vegetable broth), cooked vegetables, rice congee
- Add 1 tbsp ghee to warm rice or dal — ghee contains butyrate which heals gut lining

Week 3-4: Repopulate & Rebalance

- Probiotics: Homemade curd/yogurt daily (contains Lactobacillus), or probiotic supplement (50B CFU)
- Prebiotics: Banana (slightly green), garlic, onion, oats — feed beneficial bacteria
- Fermented foods: Idli, dosa batter, kanji, pickled vegetables (1 serving/day)

Digestive-Specific Tips

- For acidity: Don't lie down within 2 hours of eating, avoid spicy foods at dinner, sleep with head slightly elevated

Premium Analysis Extensions

Targeted deep-dive protocols based on your selected specialized analysis

90-Day Progress Tracking System

sundar's transformation timeline

Weekly Check-In (2-3 Minutes Every Sunday)

- Energy levels (morning, afternoon, evening): Rate 1-10
- Sleep quality and duration: hours + 1-10 rating
- Stress level: 1-10 average for the week
- Workouts completed: ____/target
- Nutrition adherence: ____% on plan
- Hydration: Met daily target? Y/N

Monthly Assessment (Weeks 4, 8, 12)

- Body measurements: Weight, waist circumference, hip circumference
- Progress photos: Same time, same light, same clothing (front + side)
- Performance tests: Push-ups in 1 min, plank hold time, resting heart rate
- Blood work: Compare against baseline (if applicable)
- Subjective well-being: Mood, confidence, energy consistency

Expected Timeline

Week 1-2: Sleep improves, energy begins to stabilize, initial adjustment period

Week 3-4: Mood elevation, reduced stress, workouts feel easier, digestion improves

Week 5-8: Visible body composition changes, strength gains, sustained energy throughout the day

Week 9-12: Major transformation — habits feel automatic, biomarkers improve, confidence increases

Individual results vary. Consistency matters more than perfection. Even 80% adherence produces meaningful results over 90 days.

Your 90-Day Action Plan

sundar's step-by-step implementation roadmap

Phase 1: Foundation (Weeks 1-2)

- Read this entire blueprint thoroughly — understanding WHY matters
- Set consistent wake time and meal times (Action 1 & 2)
- Stock kitchen with recommended foods from grocery list
- Set up tracking: notebook, spreadsheet, or app (MyFitnessPal, HealthifyMe)
- Schedule baseline blood work (recommended tests listed above)
- Begin 3x/week movement routine

Phase 2: Building Momentum (Weeks 3-6)

- Meal prep: Prepare 2-3 meals in advance on weekends
- Add stress management tools: daily breathwork + weekly nature time
- Increase workout intensity or frequency by 10-15%
- Complete first monthly assessment (Week 4)

Phase 3: Optimization (Weeks 7-12)

- Adjust calories/macros based on progress and goals
- Progressive overload: increase weights, add workout variations
- Refine supplement stack based on how you feel
- Week 8: Second monthly assessment — compare to baseline
- Week 12: Final assessment, blood work recheck, celebrate progress

Remember

sundar, this blueprint is your evidence-based roadmap to better health. You don't need to be perfect — you need to be consistent. Start with the Top 3 Actions and build from there.

Small, consistent steps create lasting transformation. You have everything you need to succeed. Trust the process.

Disclaimer: This blueprint is for educational purposes and does not constitute medical advice.

Always consult qualified healthcare professionals before making significant lifestyle changes.

Individual results may vary based on adherence, genetics, and pre-existing conditions.

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