CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

AE PWD MISSION 75 DAYS

Tailored for a steady, “average-but-serious” student.

www.civilianz.com

AE PWD MISSION 75 DAYS

OVERALL STRATEGY

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

PHASE	DAYS	GOAL
Phase 1 – Core Syllabus Coverage	Day 1–33 (≈5 weeks)	First complete revision of all Civil subjects.
Phase 2 – Practice & Consolidation	Day 34–55 (≈3 weeks)	Intensive MCQs, PYQs, short-notes prep.
Phase 3 – Exam Simulation & Final Revision	Day 56–75 (≈3 weeks)	Full mocks, targeted weak-area review, formula drill

AE PWD MISSION 75 DAYS

Phase 1 – Core Syllabus Coverage (Day 1–33)

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

💡 **Approach: ~2 subjects/week + Everyday Subject.**
Spend more days on the heavier ones.

Suggested order (from heavier → lighter):

Strength of Materials (SOM) & Structural Analysis

RCC & Steel Design

Geotechnical (Soil + Foundation)

Fluid Mechanics + Hydrology + Irrigation

Highway + Railway + Traffic + Environmental

Daily pattern (if you can spare ~7 h total):

Morning (3–3.5 h) – Theory & formula revision
Afternoon (2–2.5 h) – Numericals + 25–30 MCQs from today's topic
Evening (1–1.5 h) – Prepare/clean short notes & quick recap

AE PWD MISSION 75 DAYS

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

Everyday subject:

A lighter, general study area to keep
your pace consistent and cover broader ground.

Surveying | Building Materials | Building Construction | CPM | Estimation

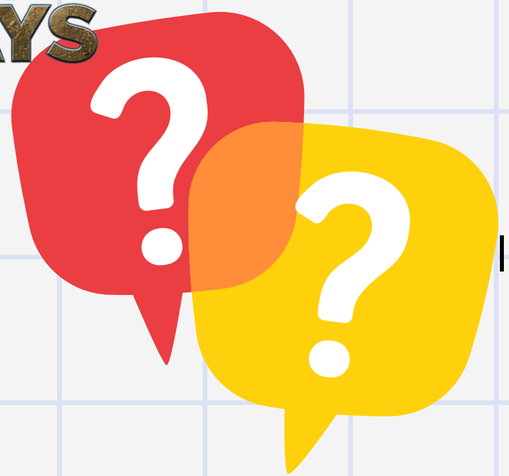
During Phase 1, let the Civilianz pre-recorded classes (Veera / Vajra / AE Standard Batch) be your **primary study backbone**—they give you structured, exam-oriented coverage that keeps your flash-reading fast, focused and reliable.

Outcome by Day 33

Every subject covered once + a concise formula/short-note sheet ready.

AE PWD MISSION 75 DAYS

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL



Phase 1 : “Too many subjects, too little time?”

In Phase 1, we actually mean that. To counter this challenge, we recommend a “**flash-reading**” technique— approach each subject every day as if **Tomorrow Is the Exam**

Instead of deep, single-subject marathons:

- Skim key formulas, concepts and PYQ highlights across multiple subjects daily.
- Build quick recall through repeated, high-frequency revisions.
- Spot weak areas early, allowing timely reinforcement.

Outcome

Every subject stays fresh and exam-ready, ensuring you enter the final weeks with a clear, well-revised mind.

AE PWD MISSION 75 DAYS

Study Schedule

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

Day	Learn Everyday Subject	Core Topic	Subject
Day 1	Basics of Surveying	Concept of stress and strain, Bending moment and shear force, Stresses in beams	MOS
Day 2	Levelling and Contouring, Area and Volume Computation	Deflection of beams, Theory of columns	MOS
Day 3	Theodolite Survey, Triangulation	Truss analysis, Displacement response of statically determinate structural systems using energy methods	SA
Day 4	Theory of Errors, Electronic Distance Measurement	Principle of virtual work, Statically indeterminatestructures, Strain Energy methods	SA

AE PWD MISSION 75 DAYS

Study Schedule

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

Day	Learn Everyday Subject	Core Topic	Subject
Day 5	Advanced Survey	Moving loads and influence lines, Arches. Slope Deflection Method	SA
Day 6	Advanced Survey	Moment Distribution Method, Clapeyrons Theorem (Three Moment Equation), Kani's method of analysis.	SA
Day 7	Estimation	Limit state method of design, Analysis of reinforced rectangular beams, Shear strength of RC beam	RCC
Day 8	Estimation	Design of shear reinforcement, Bond and development length, Curtailment of reinforcement, Design for torsion	RCC

AE PWD MISSION 75 DAYS

Study Schedule

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

Day	Learn Everyday Subject	Core Topic	Subject
Day 9	Construction Management	Design of Slab, Limit state of serviceability, Deflection, Cracking, Stair cases -design & detailing, Column	RCC
Day 10	Construction Management	Retaining wall, Water Tank, Prestressed Concrete, Footing	RCC
Day 11	Timber	Bolted and welded connections, Tension members, Compression members, Beams	STEEL
Day 12	Mortar	Roof trusses, Purlins. Timber structures-columns, composite beams	STEEL

AE PWD MISSION 75 DAYS

Study Schedule

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

Day	Learn Everyday Subject	Core Topic	Subject
Day 13	Iron and Steel	Major soil deposits , Classification, Permeability, Effective stress, Shear characteristics , Consolidation and Compaction.	GT
Day 14	Structural steel, Modern materials	Stability of slopes, Stresses in subsoil, Boussinesq's formula, Newmark's chart Lateral earth pressure, Bearing capacity of soil	GT
Day 15	Concrete Technology	Settlement, Site investigation, Standard Plate load test, Design of foundations, Ground improvement techniques.	GT

AE PWD MISSION 75 DAYS

Study Schedule

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

Day	Learn Everyday Subject	Core Topic	Subject
Day 16	Concrete Technology	Fluid Statics- Fluid pressure, Buoyancy and floatation, Fluid Kinematics, Dynamics of fluid flow, Flow through orifice and notches	FM
Day 17	Foundations	Flow through pipes, Boundary layer, Drag and Lift on immersed bodies. Hydraulic machines	FM
Day 18	Cost-effective construction	Open channel flow, Uniform flow,Hydraulic Jump, Gradually varied flow, Dimensional analysis and model testing.	FM

AE PWD MISSION 75 DAYS

Study Schedule

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

Day	Learn Everyday Subject	Core Topic	Subject
Day 19	Masonry	Hydrologic cycle, Precipitation, Infiltration and Evaporation, Runoff-components and computation, Hydrograph, Unit Hydrograph	WRE
Day 20	Lintels and arches	S-Hydrograph. Irrigation types and methods-Soil water plant relationships, Frequency of irrigation, crop water requirement. Stream flow measurement	WRE
Day 21	Floors and flooring	Meandering of rivers, river training works. Diversion and storage systems, Capacity and yield of reservoirs. Groundwater - Aquifer types	WRE

AE PWD MISSION 75 DAYS

Study Schedule

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

Day	Learn Everyday Subject	Core Topic	Subject
Day 22	Roofs and roof coverings	Classification and alignment of highways, Geometric design of highways, Properties and testing of pavement materials	TE
Day 23	Doors, windows and ventilators	CBR method of flexible pavement design, Construction and maintenance of pavements, Traffic characteristics	TE
Day 24	Finishing works	Traffic regulation rules, Highway capacity, Traffic safety, Influencing factors and preventive measures for traffic accidents, Basic diagrams of traffic flow theory.	TE

AE PWD MISSION 75 DAYS

Study Schedule

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

Day	Learn Everyday Subject	Core Topic	Subject
Day 25	Tall Buildings – Steel and Concrete frame	Railways- geometric design of tracks, railway operation control, Maintenance.	RAILWAY
Day 26	Prefabricated construction	Design of runways, taxiways and aprons. Airport characteristics- Aircraft component parts. Site selection, Terminal area planning- Airport marking and lighting.	AIRPORT & HARBOUR
Day 27	Slip form construction	Components of planning, Regional planning, Theories of urbanization, Study of Urban Forms, Zoning, Town Development Plan, Town planning acts.	UPA

AE PWD MISSION 75 DAYS

Study Schedule

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

Day	Learn Everyday Subject	Core Topic	Subject
Day 28	Vertical transportation	Water sources and demand, Population forecasting, Quality of water. Water treatment- Physical , Chemical. sedimentation tank	EE
Day 29	Building failures and Retrofitting	Disinfection methods. Distribution of water, Pumps, Hardy Cross method, Waste water- Sources, Characteristics, Oxygen demand. Design of sewers. Sewer appurtenances, Disposal of wastewater	EE
Day 30	failures in RCC and Steel structures.	Aerobic and anaerobic methods, Screening, Grit chamber, Sedimentation tank, Activated Sludge process, Trickling filter, Rotating biological contactor, Septic tanks, Imhoff tanks, Oxidation ditches	EE

AE PWD MISSION 75 DAYS

Study Schedule

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

Day	Learn Everyday Subject	Core Topic	Subject
Day 31	Estimation	Oxidation ponds, Upflow anaerobic sludge , Sludge digestion, Air pollution-sources, effects on human, Control of air pollutants, Air quality legislations	EE
Day 32	Revision	Revision	All Subjects
Day 33	Revision	Revision	All Subjects

AE PWD MISSION 75 DAYS

Phase 2 – Practice & Consolidation (Day 34–55)

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

KEY TASK

- Solve all **Kerala PSC AE** , SSC JE (Technical Portion Only), Other State PSC Exam, GATE Level 1 Questions, ESE Level 1 Questions (last **10 years**)
- You will get it from
  - **Kerala PSC AE** - Civilianz PYQ Book/MCQ Book
  - **SSC JE PYQ** - Made Easy Publications
  - **Other State PSC** - YCT Publications
  - **GATE Level 1** - Made Easy Publications
  - **ESE Level 1** - Made Easy Publications
- Daily error log – jot wrong answers with correct reasoning.
- Weekly **mini-mock: 50 MCQs** mixed syllabus, timed.

AE PWD MISSION 75 DAYS

Phase 2 – Practice & Consolidation (Day 34–55)

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

DAILY TIME SPLIT

5 h : Mixed-subject MCQ practice

2 h : Re-reading short notes & tough concepts

30 min : Update error log & quick recap

Outcome by Day 55

All major mistakes identified, speed & accuracy improved.

AE PWD MISSION 75 DAYS

Phase 3 – Exam Simulation & Final Revision (Day 56–75)

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

ROUTINE

- **Alternate days:** Full 100-MCQ mock in exact exam timing.
- **Analyse the same day:** Understand each wrong answer.
- **Morning drill (20 min)**: Formula sheets & key definitions.
- **Targeted revision**: Only the chapters where mock accuracy <70%.

Final Week (Day 69–75):

Only short notes, formula sheets, and error log.
1–2 light mocks for confidence; avoid new topics.

AE PWD MISSION 75 DAYS

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

Time Split

If you have less than 7 hrs to invest daily

Maintain the ratio

Topic Coverage : **80 % of your study time**

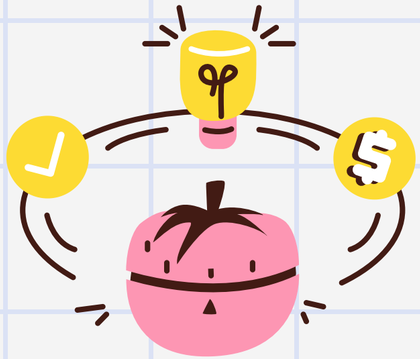
MCQ/PYQ practice: **20 % of your study time**

Steady, moderate effort for 75 days beats last-minute cramming.
Stick to your notes, previous papers and formula sheets—
no new books now.

AE PWD MISSION 75 DAYS

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

DAILY MICROHABITS

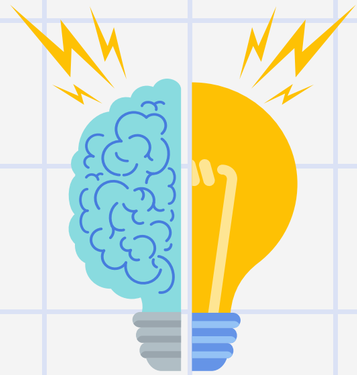


POMODORO TECHNIQUE

25 minutes study +
5 minutes break

15 MIN BEDTIME

Recap of formulas
or error log



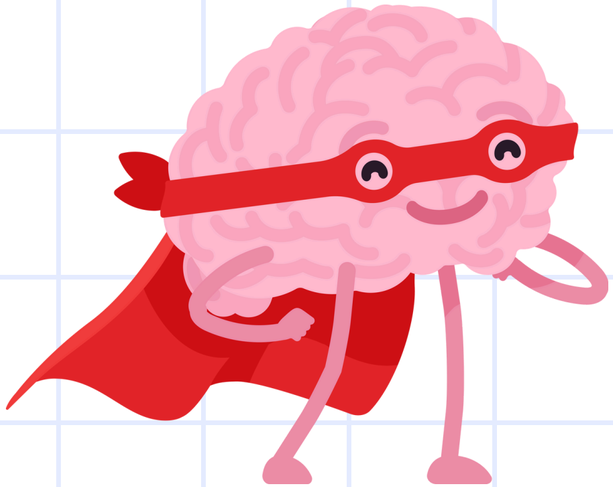
KEEP FOCUS

Light excersise +
7 hr sleep to keep focus

AE PWD MISSION 75 DAYS

CIVILIANZ
CENTRE FOR CIVIL ENGG. COMPETITIVE EXAMS
GATE • AE • JE-CIVIL

Final Note – You've Got This!



The countdown is on—75 days to go.

It may look like a mountain, but remember: even mountains are climbed one step (or MCQ!) at a time.

- **Stay consistent – 2 focused hours beat 10 distracted ones.**
- **Revise smart –** flash-read, jot formulas, and laugh at your earlier mistakes (they're proof you're improving).
- **Take breaks** – even toppers need chai and memes.

When the exam bell rings, you won't need luck—your discipline will be your superpower.

CIVILIANZ
FAMILY