

12-Week Semester Course Syllabus & Field Practicum Guide

COURSE OBJECTIVE: Equip undergraduate/postgraduate students of Agriculture, Agribusiness Management (FABM/ABM), Rural Management, and KVK/FPO trainees to diagnose post-harvest value-chain bottlenecks, build conservative INR unit-economics models, match enterprises to Central/State capital subsidies, and assemble bank-ready DPR sanction packets.

12-WEEK LECTURE, CASE-STUDY & FIELD PRACTICUM SCHEDULE

Week	Module & Volume 1 Reading	Volume 2 Directory & Web Lab Exercise	Student / Trainee Field Deliverable
Wk 01	Ch. 1: Find the Missing Step (The 5-Hands Value-Chain Audit)	Map local commodity price spreads; introduce 381-entry Directory taxonomy.	Walk 1 local crop through 5 hands in nearby mandi/village; log weight & moisture loss.
Wk 02	Ch. 2: Shared Processing Shed (Rekha's Makhana Popping & Grading Unit)	Vol. 2 Ch. 1: PMFME (35% subsidy) + SHG ₹40k seed capital + Makhana Excel Kit.	Compute break-even kg & 3-number intake Stop-Rule for a local grain/pulse/makhana unit.
Wk 03	Ch. 3: Same-Day Payment Village Collection & Grading Center	Vol. 2 Ch. 1 & 9: AMI (25%–33.33%) + SFAC Equity Grant & NBFC working-capital lines.	Design a 24-hour buyer payout & crate-reconciliation ledger for 30 vegetable growers.
Wk 04	Ch. 4: Rent Cold Storage by the Crate (Modular Solar Cold Room)	Vol. 2 Ch. 1 & 2: NHB / MIDH / State Horticulture + AIF 3% interest subvention.	Model two-crop seasonal crate occupancy (≥65% gate) in the online Break-Even Calculator.
Wk 05	Ch. 5: Rent the Machine by the Acre (Custom Hiring Center — Zero-Till)	Vol. 2 Ch. 1: Sub-Mission on Agricultural Mechanization (SMAM 40%–80% CHC).	Prepare a 350-hour seasonal tractor/implement dispatch log & fuel/repair reserve sheet.
Wk 06	Ch. 6: Operate the Drone Someone Else Already Bought (Agri-Drone Service)	Vol. 2 Ch. 1 & 4: Namo Drone Didi, DGCA RPTOs, and ICAR KVK drone demonstrations.	Calculate per-acre spraying economics, battery cycle depreciation & contiguous plot routing.
Wk 07	Ch. 7: Sell a Sensor That Prevents One Total Loss (Pond DO & Grain Bins)	Vol. 2 Ch. 6: 24 RKVY-RAFTAAR Agribusiness Incubators (₹5L–₹25L startup grants).	Draft a 2-page RKVY-RAFTAAR pitch deck for a rural loss-prevention hardware/service model.
Wk 08	Ch. 8: Counted Fish Fingerlings, Nearer Feed & First-Hour Ice	Vol. 2 Ch. 1 & 5: PMMSY (40%–60% subsidy) + ICAR-CIFA / College of Fisheries support.	Conduct a backlit counting-tray audit & first-hour icing margin calculation for a fish cluster.
Wk 09	Ch. 9: Multiply Seed for a Buyer Who Must Buy It (Aeroponic Seed Potato)	Vol. 2 Ch. 4 & 5: ICAR-CPRI / IARI licensing, State Seed Certification & MIDH nurseries.	Evaluate a pre-season contract seed multiplication agreement & contamination stop-rule.
Wk 10	Ch. 10: Digitize the Milk Chain That Already Pays the Farmer	Vol. 2 Ch. 1 & 8: NPDD, AHIDF, NDDB & state cooperative dairy unions (Sudha/Amul).	Audit a village DCS milk testing desk: ultrasonic FAT/SNF slip transparency & 10-day payout.
Wk 11	Ch. 11: Keep the Small Animal Alive, Then Sell It (Goat Health Cold-Chain)	Vol. 2 Ch. 1 & 7: National Livestock Mission (NLM) + State SRLM Pashu Sakhi cadres.	Build a thermometer-verified PPR/ET vaccination cold-carrier log & mortality-reduction model.
Wk 12	Ch. 12: Sell a Changed Practice & Capstone Bank Loan DPR Defense	Vol. 2 Ch. 9 & 10: 10-Document Bank Loan Packet Scorer + Impact/CSR/Carbon buyers.	Capstone Presentation: Defend a complete 10-document bank loan & subsidy packet before a mock bank/KVK panel.

RAWE / ELP / Agribusiness Capstone Evaluation & Recommended Library Holdings

HSN Code: 49011010 (0% GST)

Instant Proforma: /proforma-generator

CAPSTONE DPR & FIELD AUDIT GRADING RUBRIC (100 MARKS)

Evaluation Component	Weight	Required Evidence in Student / Trainee Submission
1. Primary 5-Hands Field Audit	25 Marks	Named field survey of ≥20 local growers in a contiguous block; documented rupee/kg spread and physical moisture/grading loss between Hand 1 and Hand 3.
2. Conservative Unit Economics & DSCR	25 Marks	Season-adjusted capacity utilization (45%–65% Year 1), itemized GST machinery quotes, working-capital days calculation, and DSCR ≥ 1.50.
3. Pre-Committed Field Stop-Rule	20 Marks	Explicit quantitative threshold (e.g., moisture %, recovery grade %, crate pre-booking %) that triggers an automatic operational pause before capital loss.
4. Scheme Stacking & 10-Doc Bank File	30 Marks	Accurate matching of Volume 2 schemes (PMFME/AMI/SMAM/PMMSY/NLM + AIF 3% subvention + CGTMSE) and complete 10-document bank checklist score ≥85%.

RECOMMENDED UNIVERSITY LIBRARY & KVK HOLDING NORMS

Institution Category	Recommended Holding	Institutional Package & Direct Procurement Link
Krishi Vigyan Kendra (KVK) / FPO Training Cell	1 to 10 Sets (2 to 20 Books) + Bilingual Worksheet Masters	Single Reference Set: ₹1,199 • 10-Set KVK Pack: ₹10,190 (15% off + Campus Digital License).
Agricultural University (SAU / CAU) Central & Dept. Libraries	10 to 25 Sets (Reference Section + Textbook Bank + ABM Dept.)	25-Set University Cohort Pack: ₹22,480 (25% off + Full Campus Digital PDF/EPUB & Excel Site License).
RKVY-RAFTAAR Incubator (R-ABI) & SRLM State/District Mission	25+ Sets for Incubatee Cohorts & Block Livelihood Officers	Custom Bulk / GeM / Direct PO: Generate instant Proforma Invoice at https://the-missing-step.pages.dev/proforma-generator

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