Problem Statements

Agriculture (10 Use Cases)

1. Title: Leaf Disease Detector for Small Farms
Background & Objective: Help small farmers diagnose crop diseases using mobile leaf images.
Task: Classify leaf images as "Healthy" or "Diseased" and name the disease.
Expected Output: "Result: Diseased, Disease: Blight" or "Result: Healthy"
Acceptance Criteria:

- Correctly classify at least 80% of provided images.
- Show clear error if image is blurry or blank.
- Console outputs match sample format.

Language: Python
Datasets: Use Kaggle PlantVillage (or sample leaf images).
Complexity: Medium

2. Title: Crop Yield Forecast Tool
Background & Objective: Forecast next season yield based on basic farm data (area, soil, water, crop type).
Task: Predict the expected yield (kg) for given input values.
Expected Output: "Expected Yield: 1172 kg"
Acceptance Criteria:

- Provide predictions for all five sample crop/soil combinations.
- Output is a single rounded number.
- Handles missing/invalid input gracefully.

Language: Python
Datasets: Use simple CSV data or synthetic samples.

3. Title: Fertilizer Recommendation Chatbot
Background & Objective: Guide farmers in choosing fertilizer based on soil and crop type.
Task: Build a chatbot to suggest fertilizer.
Expected Output: "Recommended Fertilizer: Urea, Quantity: 5 kg/acre"
Acceptance Criteria:

- Supports at least 6 crop types.
- Handles at least 3 soil types.
- Clear UI or console chat.

Language: Python

4. Title: Weather Alert SMS System
Background & Objective: Inform about severe weather in village via SMS-like alerts.
Task: Program checks weather data (rain, wind, temperature) and "sends" an alert string.
Expected Output: "Alert: Heavy rainfall expected tomorrow."

Acceptance Criteria:

- Triggers alert for specified thresholds.
- Can process 10 data points.

Language: Python

5. Title: Market Price Predictor
Background & Objective: Help farmers estimate prices for crops before selling.
Task: Predict next week's market price for chosen crop from historical data.
Expected Output: "Predicted Price: ₹1,250 per quintal"
Acceptance Criteria:

- Accepts 5 crop types.
- Predicted price is within ±20% of test data.
- Error for missing data.

Language: Python

6. Title: Pest Identification Assistant
Background & Objective: Identify possible pests from farmer-described symptoms and crop.
Task: Simple text bot matches problem description to pest type.
Expected Output: "Likely Pest: Aphid; Suggested Action: Spray Neem extract."
Acceptance Criteria:

- Supports 6 pests (must cover rice, wheat, pulses).
- Advice for action is practical.

Language: Python

7. Title: Water Usage Predictor
Background & Objective: Forecast daily water requirements for a field.
Task: Use weather and crop info to calculate required liters of irrigation.
Expected Output: "Required Irrigation: 500 liters/day"
Acceptance Criteria:

- Handles 3 crop types and daily weather for one week.
- Produces forecast report as simple table.

Language: Python

8. Title: Farm Expense Calculator
Background & Objective: Track farm input costs and calculate total/average expense.
Task: Form reads input list (seed, fertilizer, labor) and outputs summary.
Expected Output: "Total Expense: ₹15,000; Average Cost per Acre: ₹3,000"
Acceptance Criteria:

- Accepts 5 items minimum.
- Descriptive summary table/output.
- Handles negative/missing values gracefully.

Language: Python

9. Title: Seed Quality Classification
Background & Objective: Identify "Good" vs "Poor" seeds based on test results (weight, color, germination days).
Task: AI classifier ranks seed batch.

Expected Output: "Batch #12: Good quality"
Acceptance Criteria:

- Correct for 8 out of 10 test batches.
- Clear message for missing/invalid data.

Language: Python

10. Title: Animal Health Tracker
Background & Objective: Monitor livestock and flag illness risk.
Task: System logs animal data and flags any alerts ("cough", "low appetite").
Expected Output: "Alert: Buffalo #4 may need vet attention."
Acceptance Criteria:

- Covers cows, buffaloes, goats, chickens.
- Flags correct alerts for 5 sample animals.

Language: Python

Healthcare (10 Use Cases)

11. Title: Basic Rural Clinic Symptom Checker
Background & Objective: Help staff in clinics suggest illness from typed symptoms.
Task: Chatbot asks for up to 3 symptoms, predicts condition/urgency.
Expected Output: "Probable condition: Malaria. Advice: Visit doctor soon."
Acceptance Criteria:

- Covers at least 5 illnesses.
- Responds to all test cases provided.

Language: Python

12. Title: Prescription Translator
Background & Objective: Convert handwritten prescription text into readable instructions.
Task: Accepts scanned prescription text string, outputs doctor's advice in layman's words.
Expected Output: "Take Paracetamol, 500 mg, twice daily for 3 days."
Acceptance Criteria:

- Correct for 6 out of 8 sample inputs.
- Handles missing/unclear drugs with error message.

Language: Python

13. Title: Health Report Summarizer
Background & Objective: Summarize lab test results for patient understanding.
Task: Summarize given blood/urine report text into 2-3 simple points.
Expected Output: "Sugar level is normal. No infection detected."
Acceptance Criteria:

- For 5 report inputs, summary matches sample solution.
- Handles "unclear" input gracefully.

Language: Python

14. Title: Basic Covid Risk Checker
Background & Objective: Check Covid risk from symptoms and contacts.
Task: Program asks user questions and calculates risk score.
Expected Output: "Risk Level: Medium. Precaution: Use mask, get tested."
Acceptance Criteria:

- Correct response to given sample cases.
- Error message on incomplete answers.

Language: Python

15. Title: Simple Drug Interaction Finder
Background & Objective: Flag dangerous overlaps in patient's medicines.
Task: Accepts list of up to 5 medicines, shows "No conflict" or "Conflict: Paracetamol & Ibuprofen."
Expected Output: "Warning: Avoid using Drug A with Drug B."
Acceptance Criteria:

- Identifies at least 5 known conflicts.
- Tests reflect results.

Language: Python

16. Title: Doctor Visit Reminder
Background & Objective: Notify patient of next visit date via SMS-style alert.
Task: Input: patient name and last visit date; Output: next recommended visit.
Expected Output: "Reminder: Visit your clinic on 22 Oct."
Acceptance Criteria:

- Calculates dates for 3 types of illnesses (fever, TB, diabetes).
- Output matches sample test cases.

Language: Python

17. Title: Health Habit Tracker
Background & Objective: Simple AI logs exercise, diet info, and rates weekly health.
Task: Accept and log daily health data for a week, rate as "Excellent", "Good", or "Needs Improvement."
Expected Output: "Weekly Report: Good"
Acceptance Criteria:

- Accepts 7 days' records, handles missing data.
- Report for any week of data.

Language: Python

18. Title: Medicine Dosage Calculator
Background & Objective: Calculate correct dosage for child, adult, and elderly.
Task: Accept person's age and weight; output exact dosage to administer.
Expected Output: "Child, 22 kg: 113 mg"
Acceptance Criteria:

- Calculations match 5 sample cases.
- Error for missing/invalid data.

Language: Python

19. Title: Appointment Scheduler Bot
Background & Objective: Help rural patients book doctor appointments.
Task: Chatbot interacts to suggest slot/time for visit.
Expected Output: "Appointment fixed: 23 Oct, 10:30 AM"
Acceptance Criteria:

- Works for 5 time slot requests.
- Handles full/invalid slots.

Language: Python

20. Title: Health FAQ Generator
Background & Objective: AI generates answers to common healthcare questions in simple English.
Task: Accepts a question string and answers in 2–3 sentences.
Expected Output: "Q: What is malaria? A: Malaria is caused by mosquitoes. It gives fever and chills."
Acceptance Criteria:

- Answers at least 8 sample questions.
- Answers are clear and accurate.

Language: Python

Nature Conservation (10 Use Cases)

21. Title: Wildlife Species Identifier
Background & Objective: Identify animal species from text descriptions.
Task: Accept text about animal ("Large ears, trunk, gray skin") and output species name.
Expected Output: "Species: Elephant"
Acceptance Criteria:

- Recognizes at least 8 species.
- Output matches test descriptions.

Language: Python

22. Title: Forest Fire Risk Predictor
Background & Objective: Predict fire risk from weather and dryness data.
Task: Feed in humidity, wind, temp, past fires, get risk ("Low", "Medium", "High").
Expected Output: "Risk Level: High"
Acceptance Criteria:

- Matches 7 out of 9 sample cases.
- Error for missing data.

Language: Python

23. Title: Poacher Alert System
Background & Objective: Alert forest guards to unusual animal movements.
Task: Analyze GPS path; if path is erratic or near villages, trigger "Alert".
Expected Output: "Alert: Possible poacher presence near zone 5."
Acceptance Criteria:

- Correctly identifies 5 out of 6 sample alerts.
- Output matches sample format.

Language: Python

24. Title: Water Pollution Detector
Background & Objective: Test river/lake data (pH, toxins) and flag dangerous water.
Task: Accepts water quality test numbers, outputs warning if values exceed safe range.
Expected Output: "Warning: Unsafe water. pH=5, Lead=45ppm."
Acceptance Criteria:

- Flags danger for all critical test cases.
- Handles at least 3 pollutants.

Language: Python

25. Title: Anti-Plastic Campaign AI
Background & Objective: Create slogans and info for village anti-plastic drive.
Task: Generates 3 campaign slogans and basic info text.
Expected Output: "Say No to Plastic!" etc.
Acceptance Criteria:

- Produces 3 unique slogans/info points.
- Slogans match topic.

Language: Python

26. Title: Endangered Species Fact Bot
Background & Objective: Provide short fact sheets for listed animals/plants.
Task: Accept name and output short fact sheet (2–3 points).
Expected Output: "Tiger: Tiger is endangered…"
Acceptance Criteria:

- Covers 8 species.
- Output matches sample test cases.

Language: Python

27. Title: Village Tree Mapper
Background & Objective: Track village tree counts, health, and types.
Task: Input list of tree data; produce summary of count and health (good/poor).
Expected Output: "Neem: 14 trees, Good; Mango: 9, Poor"
Acceptance Criteria:

- Accepts data for at least 3 tree types.
- Outputs summary table.

Language: Python

28. Title: Conservation Awareness Quiz
Background & Objective: Teach about conservation via quiz with hints.
Task: Generate 5 random multiple-choice questions, grade answers.
Expected Output: "Score: 3 out of 5"
Acceptance Criteria:

- Questions match conservation topics.
- Grading matches sample answers.

Language: Python

29. Title: Rainfall Pattern Analyzer
Background & Objective: Compare rainfall over past 10 years for one district.
Task: Read yearly data, show chart/summary of increase or decrease.
Expected Output: "Rainfall increased in 6 years, decreased in 4."
Acceptance Criteria:

- Reads data from CSV.
- Output matches sample test case.

Language: Python

30. Title: Butterfly Spotting Guide
Background & Objective: Identify common butterflies from images or colors described.
Task: Input color/pattern (or image), output species name.
Expected Output: "Species: Monarch"
Acceptance Criteria:

- Covers 7 species.
- Output matches test cases.

Language: Python

Engineering (10 Use Cases)

31. Title: Machine Fault Detector
Background & Objective: Identify "Fault" or "No Fault" from sensor input.
Task: Accept sensor numbers, output status.
Expected Output: "Machine #1: Fault"
Acceptance Criteria:

- Correctly flags status for 8 out of 10 tested sensors.
- Error for missing data.

Language: Python

32. Title: Maintenance Scheduler
Background & Objective: Suggest next service dates for machines from usage log.
Task: Input usage days and prior service dates, output recommended next service.
Expected Output: "Machine #2: Next service in 18 days."
Acceptance Criteria:

- Works for 5 samples.
- Output matches format.

Language: Python

33. Title: Simple Inventory Manager
Background & Objective: Manage small shop inventory, auto-flag low stock.
Task: Accept item/qty, output "Low stock" if quantity below threshold.
Expected Output: "Rice: Low stock"
Acceptance Criteria:

- Handles at least 8 items.
- Flags correct items on test.

Language: Python

34. Title: Simple Parking Finder
Background & Objective: Help users find free parking spaces in their area.
Task: Accept location/slots, output available slots.
Expected Output: "Available at: Market road, 3 slots."
Acceptance Criteria:

- Matches sample test data.
- Error if no slots.

Language: Python

35. Title: Smart Meter Consumption Tracker
Background & Objective: Log daily electricity use and summarize week's pattern.
Task: Input 7 days' data; output summary and average.
Expected Output: "Week Total: 55 units, Average: 7.9 units/day"
Acceptance Criteria:

- Accepts valid numbers, summarizes correctly.

Language: Python

36. Title: Road Condition Analyzer
Background & Objective: AI judges road photo/text as “Good”, “Bad”, or “Needs Repair”.
Task: Accepts road data; outputs condition.
Expected Output: “Village Road #4: Needs Repair”
Acceptance Criteria:

- Handles 6 out of 8 test cases.
- Output matches format.

Language: Python

37. Title: Solar Panel Health Checker
Background & Objective: Predicts if solar panel is working well using voltage and temperature readings.
Task: Accepts 3 values; outputs “Good” or “Faulty”.
Expected Output: “Solar Panel #3: Good”
Acceptance Criteria:

- Correct for 7 out of 9 test cases.

Language: Python

38. Title: Water Pump Usage Monitor
Background & Objective: Track water pump hours and alert if overused.
Task: Input hour logs, output usage status.
Expected Output: “Pump #2: Overused, needs check”
Acceptance Criteria:

- Works for 5 samples.
- Output matches test.

Language: Python

39. Title: Small Project Cost Estimator
Background & Objective: Estimate cost for building a shed or repairing a classroom.
Task: Accept inputs (area, material, labor), output total cost.
Expected Output: “Estimated Cost: ₹42,000”
Acceptance Criteria:

- Accurate for 5 sample projects.

Language: Python

40. Title: Village Bridge Load Calculator
Background & Objective: Calculate safe weight a bridge can hold.
Task: Accept bridge type, length, material, output safe load.
Expected Output: “Safe Load: 9.5 tons”
Acceptance Criteria:

- Result matches 7 sample bridges.

Language: Python

Information Technology (10 Use Cases)

41. Title: Sentiment Analyzer for Local News
Background & Objective: AI classifies news as Positive, Negative, or Neutral.
Task: Input news story text, output sentiment.

Expected Output: “Sentiment: Positive”
Acceptance Criteria:

- Works for at least 7 news samples.
  Language: Python

42. Title: SMS Spam Detector
Background & Objective: Help filter unwanted SMS using simple AI.
Task: Input SMS text, output “Spam” or “Not Spam”.
Expected Output: “Result: Spam”
Acceptance Criteria:

- Matches 7 out of 9 sample messages.
  Language: Python

43. Title: Auto Code Commenter
Background & Objective: AI adds comments to basic code snippets.
Task: Input simple function, output code with comments.
Expected Output:

python

```
def add(a, b):
    # Adds two numbers
    return a + b
```

Acceptance Criteria:

- Handles 5 test snippets.
- Comments are meaningful.
  Language: Python

44. Title: Basic Student Result Analyzer
Background & Objective: Helps teachers analyze student marks and find toppers/failures.
Task: Accept marks of 5 students, output topper and failed students list.
Expected Output: “Topper: Suma; Failed: Ravi”
Acceptance Criteria:

- Matches sample data.
  Language: Python

45. Title: Weather Data Summarizer
Background & Objective: AI system summarizes weather for a week into simple report.
Task: Input 7 days’ temp/rain data; output summary (“Mostly sunny, little rain”).
Expected Output: “Week: Mostly rainy. Avg temp: 26°C.”
Acceptance Criteria:

- Matches sample summary.
  Language: Python

46. Title: Village COVID Bulletin Bot
Background & Objective: Generate easy-to-understand COVID updates.
Task: Accept latest stats, produce 3-line village bulletin.
Expected Output: “Today: 3 new cases, 1 recovery, No deaths.”
Acceptance Criteria:

- Produces readable, accurate summary.

Language: Python

47. Title: Expense Tracker App
Background & Objective: Tracks and summarizes daily expenses for a family.
Task: Input 7 days' expenses, output summary/chart.
Expected Output: "Week: Total ₹2,450, Avg/day: ₹350"
Acceptance Criteria:

- Works with provided numbers, generates chart/summary.

Language: Python

48. Title: Language Translator (English–Tamil)
Background & Objective: Translate village notices between English and Tamil.
Task: Input text (English or Tamil), output translated version.
Expected Output: "English: The school is closed. Tamil: பள்ளி மூடப்பட்டுள்ளது"
Acceptance Criteria:

- Handles 7 out of 10 sample sentences.

Language: Python

49. Title: Simple Attendance Tracker
Background & Objective: Tool for teachers to log daily student attendance.
Task: Input student names/present status, output absent list and attendance rate.
Expected Output: "Absent: Arjun; Attendance: 90%"
Acceptance Criteria:

- Works for 10 students data.

Language: Python

50. Title: Rural E-commerce Product Suggestion Bot
Background & Objective: Suggest affordable products (mobile, cycle, books) for villagers.
Task: Accept user's interest/budget; output 3 product suggestions.
Expected Output: "Top Picks: Nokia A1, Hero Cycle, Science Book"
Acceptance Criteria:

- Works for at least 5 budget/user queries.
- Suggestions are relevant and affordable.

Language: Python

SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

STUDENTS PROJECT IDEATION

SI.NO	Organization	Idea / Problem Statements	Dept	Remarks
SPIC-001	ENTHHUTECH	LIQUID LEVEL MONITORING FOR CHEMICAL INDUSTRIES USING ENCRYPTED IOT CLOUD SERVER	CSE	
SPIC-002	ENTHHUTECH	DRINKING WATER QUALITY MONITORING AND DATA UPLOAD TO I.T.U. PRESCRIBED IOT CLOUD PLATFORM	CSE	
SPIC-003	ENTHHUTECH	SMART WATER MANAGEMENT SYSTEM FOR APARTMENTS AND VILLAS USING IOT CLOUD ARCHITECTURE	CE	
SPIC-004	ENTHHUTECH	REDUCTION OF WATER WASTAGE USING IOT BASED MECHANICAL ACTUATORS	MECH	
SPIC-005	ENTHHUTECH	CUSTOMISED IOT CLOUD BASED OPTIMISED WATER DISTRIBUTION	CSE	
SPIC-006	ENTHHUTECH	SMART SOIL HEALTH MONITORING USING INDUSTRY GRADE SENSORS AND ENCRYPTED (HARDWARE AND FIRMWARE LEVEL) DEVICES	EEE	
SPIC-007	ENTHHUTECH	PRECISION IRRIGATION CONTROL USING ENCRYPTED IOT CLOUD SERVER	ECE	
SPIC-008	ENTHHUTECH	IOT CLOUD SERVER BASED SMART FERTIGATION SYSTEMS	CSE	
SPIC-009	ENTHHUTECH	AIR QUALITY MONITORING USING LoRaWAN ENABLED SMART SENSORS AND ENCRYPTION BASED DEVICES	ECE	
SPIC-010	ENTHHUTECH	SMART GREEN HOUSE FARMING USING LoRaWAN-IOT	ECE	
SPIC-011	ENTHHUTECH	IOT ENABLED SHADE NET FARMING WITH ENCRYPTED CLOUD BASED MONITORING	ECE	
SPIC-012	ENTHHUTECH	LoRaWAN-IOT BASED HYDROPONICS FARMING WITH DATA ANALYTICS ON CLOUD SERVER	ECE	
SPIC-013	ENTHHUTECH	DISSOLVED OXYGEN LEVEL MONITORING AND CONTROL USING IOT CLOUD SERVER	CSE	
SPIC-014	ENTHHUTECH	ENCRYPTED IOT BASED AUTOMATIC FEED CONTROL FOR SHRIMP PONDS	CSE	
SPIC-015	ENTHHUTECH	AI BASED SHRIMP GROWTH MONITORING USING INTEGRATED IMAGE PROCESSING DEVICES AND IOT CLOUD SERVER	ECE	
SPIC-016	ENTHHUTECH	LoRaWAN-IOT BASED SHRIMP / FISH COUNT MEASUREMENT FOR EFFICIENT FOOD FEEDING SYSTEM INTEGRATION	ECE	
SPIC-017	ENTHHUTECH	LoRaWAN-IOT BASED WATER QUALITY MONITORING SYSTEM FOR BRACKISH WATER PONDS / POOLS	ECE	
SPIC-018	ENTHHUTECH	OPTIMISED FOOD FEEDING SYSTEM FOR FISH PONDS USING LoRaWAN-IOT DEVICES AND APPLICATION SERVER ON IOT CLOUD	CSE	
SPIC-019	ENTHHUTECH	LoRaWAN-IOT BASED SMART & EFFICIENT EGG HATCHING	ECE	

SPIC-020	**ENTHHUTECH**	IOT CLOUD SERVER BASED INDOOR AMBIENCE MONITORING SYSTEM FOR BIRDS FARM	CSE	
SPIC-021	**ENTHHUTECH**	SMART FEED STOCK MONITORING AND ANALYSIS USING LoRaWAN SYSTEM	ECE	
SPIC-022	**ENTHHUTECH**	IOT BASED EGG STOCK MONITORING AND ANALYSIS ON IOT CLOUD PLATFORM	CSE	
SPIC-023	**ENTHHUTECH**	EGG SPOILAGE AVOIDANCE SYSTEM USING LoRaWAN IOT	ECE	
SPIC-024	**ENTHHUTECH**	SMART INCUBATION MONITORING SYSTEM USING ENCRYPTED IOT CLOUD PLATFORM	CSE	
SPIC-025	**ENTHHUTECH**	TEMPERATURE AND HUMIDITY MONITORING IN VACCINE STORAGE PLANT USING SMART DEVICES	ECE	
SPIC-026	**ENTHHUTECH**	IOT BASED SMART ELECTRIC ENERGY MONITORING SYSTEMS	EEE	
SPIC-027	**ENTHHUTECH**	AMBIENCE MONITORING IN INDUSTRIES USING IOT DEVICES	EEE	
SPIC-028	**ENTHHUTECH**	STEAMLINE AND PRESSURE MONITORING SYSTEMS	MECH	
SPIC-029	**ENTHHUTECH**	VIBRATION MONITORING SYSTEM FOR LARGE MACHINES	MECH	
SPIC-030	**ENTHHUTECH**	GAS CYLINDER MONITORING SYSTEMS	MECH	
SPIC-031	**ENTHHUTECH**	SMOKE AND FIRE DETECTION SYSTEMS WITH DATA ACQUISITION DEVICES	ECE	
SPIC-032	**ENTHHUTECH**	AUTOMATED LIGHT AND HVAC CONTROL SYSTEMS USING SMART IOT DEVICES WITH DATA ANALYTICS	EEE	
SPIC-033	**ENTHHUTECH**	PREDICTIVE MAINTENANCE SYSTEMS FOR INDUSTRIES WITH LARGE MACHINES	MECH	
SPIC-034	**ENTHHUTECH**	AI BASED OCCUPANCY MONITORING SYSTEMS	ECE	
SPIC-035	**ENTHHUTECH**	IOT BASED WAREHOUSE MANAGEMENT SYSTEM	CSE	
SPIC-036	**ACCENT TECHNO**	ONLINE CRIME REPORTING SYSTEM	CSE	
SPIC-037	**ACCENT TECHNO**	AGRICONNECT: ACCESSIBLE AGRICULTURE INFORMATION	CSE	
SPIC-038	**ACCENT TECHNO**	SAFE ROADS: STREAMLINING TRAFFIC OFFENSE REPORTING FOR SAFER STREETS	CSE	
SPIC-039	**ACCENT TECHNO**	HEALTH GUARDIAN: ANDROID WELLNESS CITADEL - NURTURING PATIENT HEALTH	CSE	
SPIC-040	**ACCENT TECHNO**	SAFE HAVEN: SECURE NEXUS SHELTER - ANDROID SAFETY HAVEN	CSE	
SPIC-041	**ACCENT TECHNO**	BIG FOOT: INPECTOR OF HEAVY WEIGHT	CSE	
SPIC-042	**ACCENT TECHNO**	ASSETOPS HUB: STREAMLINING DATA CONTROL – YOUR COMPREHENSIVE PLATFORM FOR EFFICIENT ASSET DATA MANAGEMENT	CSE	
SPIC-043	**ACCENT TECHNO**	CREATING A COMPASSIONATE VETERINARY CARE PLATFORM: A COMPREHENSIVE STEP-BY-STEP GUIDE TO BUILDING A LIFELONG BOND BETWEEN PETS AND THEIR CAREGIVERS	CSE	
SPIC-044	**ACCENT TECHNO**	CODEGUARDIAN: EMPOWERING MALWARE ANALYSIS – A COMPREHENSIVE SYSTEM CRAFTED WITH PRECISION FOR ROBUST SECURITY INSIGHTS	CSE	

SPIC-045	**ACCENT TECHNO**	GREENMARKET OASIS: CRAFTING AN ECO-FRIENDLY ORGANIC FOOD STORE FOR A HEALTHIER TOMORROW	CSE	
SPIC-046	**STARTUPTN**	CREATE A REFERRAL PROCESS PLATFORM THAT HELPS TEACHERS TO RAISE AND ESCALATE MAJOR BEHAVIOR ISSUES IN THE CLASSROOM IN REAL-TIME.	CSE	
SPIC-047	**STARTUPTN**	CREATE A DEVICE THAT CAN HELP PEOPLE LIVING WITH CHRONIC MEDICAL CONDITIONS TO REGULARLY MONITOR THEIR HEALTH PARAMETERS AND VITALS TO LIVE A HEALTHY LIFE.	ECE	
SPIC-048	**STARTUPTN**	THE IDEA IS TO HELP PEOPLE VIEW AND STUDY THEIR OVERALL SPENDING ANALYSIS BY DEVELOPING A MOBILE APP TO ANALYZE ALL THE PURCHASES MADE BY SCANNING A RECEIPT.	CSE	
SPIC-049	**STARTUPTN**	WHEN PROCESSING LOAN APPLICATIONS, FINANCIAL INSTITUTIONS REQUIRE COMPANIES TO SUBMIT ORIGINALS OF DOCUMENTS THAT ARE WITNESSED BY A LAWYER/NOTARY.	CSE	
SPIC-050	**STARTUPTN**	CREATE A SOLUTION THAT CAN HELP US OVERCOME THE TECHNOLOGICAL, PHYSICAL, AND PSYCHOLOGICAL BARRIERS THAT PREVENT HUMANS FROM FORMING MEANINGFUL CONNECTIONS WITH OTHERS.	CSE	
SPIC-051	**STARTUPTN**	DELIVERY OF ESSENTIAL MEDICALS BY DRONES FOR INACCESSIBLE REGIONS	ECE	
SPIC-052	**STARTUPTN**	IOT BASED SMART WASTE MANAGEMENT SYSTEM FOR SMART CITIES.	CE	
SPIC-053	**STARTUPTN**	A TRACK ON THE SPECIAL DEMANDS OF THE PARTICIPANTS, COVERING ALL THE OUT-OF-THE-BOX IDEAS THAT DO NOT FIT IN ANY OF THE ABOVE-MENTIONED TRACKS, FOR THE WILD IDEAS BREWING IN THE SCULPTED MINDS SHOWING HOW GREAT AN ENTREPRENEUR YOU CAN BE.	ECE	
SPIC-054	**MAXELERATOR**	PROBLEM STATEMENT TITLE: DEVELOP AN IOT ENABLED SOLUTION WITH ANDROID APPLICATION TO GIVE REAL-TIME PARKING SPACE AVAILABLE ON THE CAMPUS / CITY / RESIDENT SOCIETIES	CSE	
SPIC-055	**MAXELERATOR**	TO DETECT AIR QUALITY INSIDE THE CABIN AND IMPROVE IT	CE	
SPIC-056	**MAXELERATOR**	TASK MANAGEMENT FOR BLUE COLLAR LABOUR.	CSE	
SPIC-057	**MAXELERATOR**	A MOBILE APP THAT CROWD SOURCES WATER-RELATED PROBLEMS FROM AROUND A COMMUNITY, OPEN SOURCES DATA, ETC. AND DISPLAY THEM ON A MAP.	CSE	
SPIC-058	**MAXELERATOR**	IDENTIFICATION OF DIFFERENT MEDICINAL PLANTS/RAW MATERIALS THROUGH IMAGE PROCESSING USING MACHINE LEARNING ALGORITHMS	ECE	
SPIC-059	**MAXELERATOR**	CHALLENGES YOUR CREATIVE MINDS TO CONCEPTUALIZE AND DEVELOP UNIQUE TOYS AND GAMES.	CSE	
SPIC-060	**MAXELERATOR**	CREATING INTELLIGENT DEVICES TO IMPROVE THE COMMUTATION SECTOR	ECE	
SPIC-061	**MAXELERATOR**	INNOVATIVE IDEAS THAT HELP MANAGE AND GENERATE RENEWABLE /SUSTAINABLE SOURCES MORE EFFICIENTLY	EEE	

SPIC-062	**MAXELERATOR**	IDEAS FOCUSED ON THE INTELLIGENT USE OF RESOURCES FOR TRANSFORMING AND ADVANCEMENTS OF TECHNOLOGY WITH COMBINING THE ARTIFICIAL INTELLIGENCE TO EXPLORE MORE VARIOUS SOURCES AND GET VALUABLE INSIGHTS.	CSE	
SPIC-063	**MAXELERATOR**	SOLUTIONS COULD BE IN THE FORM OF WASTE SEGREGATION, DISPOSAL, AND IMPROVE SANITIZATION SYSTEM.	CE	
SPIC-064	**ELYSIUM**	DEVELOP AN AI-BASED SYSTEM THAT ANALYSES IMAGES OF CROPS TO IDENTIFY AND DIAGNOSE DISEASES.	ECE	
SPIC-065	**ELYSIUM**	INTEGRATE AI ALGORITHMS WITH PRECISION AGRICULTURE TECHNIQUES TO PROVIDE FARMERS WITH INSIGHTS INTO OPTIMAL PLANTING TIMES, IRRIGATION SCHEDULES, AND CROP HARVESTING PERIODS BASED ON REAL-TIME WEATHER AND SOIL DATA.	ECE	
SPIC-066	**ELYSIUM**	CREATE A SYSTEM THAT OPTIMIZES THE SUPPLY CHAIN IN AGRICULTURE, FROM FARM TO MARKET.	ECE	
SPIC-067	**ELYSIUM**	IMPLEMENT A MACHINE LEARNING MODEL THAT PREDICTS WHEN INDUSTRIAL MACHINERY OR AGRICULTURAL EQUIPMENT IS LIKELY TO FAIL.	EEE	
SPIC-068	**ELYSIUM**	DEVELOP A SYSTEM THAT USES MACHINE LEARNING TO ANALYZE ENERGY CONSUMPTION PATTERNS AND PREDICT PEAK DEMAND TIMES.	EEE	
SPIC-069	**ELYSIUM**	BUILD A SENTIMENT ANALYSIS TOOL THAT HELPS INDUSTRIES ANALYZE CUSTOMER FEEDBACK FROM VARIOUS SOURCES (SOCIAL MEDIA, REVIEWS, ETC.) IN REAL TIME	ECE	
SPIC-070	**ELYSIUM**	USE MACHINE LEARNING TO PREDICT PRODUCT DEMAND FOR VARIOUS INDUSTRIES.	EEE	
SPIC-071	**ELYSIUM**	USE MACHINE LEARNING ALGORITHMS TO PREDICT TRAFFIC PATTERNS IN URBAN AREAS.	ECE	
SPIC-072	**ELYSIUM**	CREATE AN AI-BASED SYSTEM THAT MONITORS WATER QUALITY IN RIVERS, LAKES, AND RESERVOIRS.	CE	
SPIC-073	**ELYSIUM**	IMPLEMENT MACHINE LEARNING ALGORITHMS TO DETECT AND PREVENT FINANCIAL FRAUD IN REAL TIME	ECE	
SPIC-074	**ELYSIUM**	UTILIZE SATELLITE IMAGERY AND MACHINE LEARNING TO PREDICT AND MONITOR THE RISK OF FOREST FIRES.	ECE	
SPIC-075	**ELYSIUM**	DESIGN A REAL-TIME WASTE MANAGEMENT SYSTEM THAT USES SENSORS TO MONITOR WASTE LEVELS IN BINS.	ECE	
SPIC-076	**ELYSIUM**	DEVELOP A SYSTEM THAT MONITORS WATER DISTRIBUTION NETWORKS IN REAL TIME	ECE	
SPIC-077	**ELYSIUM**	CREATE AN AI-POWERED TUTORING SYSTEM THAT ADAPTS TO INDIVIDUAL LEARNING STYLES.	CSE	

SPIC-078	**ELYSIUM**	CREATE AN ADAPTIVE LEARNING SYSTEM THAT USES MACHINE LEARNING TO ANALYZE STUDENTS' PERFORMANCE AND ADJUSTS THE DIFFICULTY OF LESSONS AND ASSIGNMENTS BASED ON THEIR INDIVIDUAL LEARNING PACE.	CSE	
SPIC-079	**ELYSIUM**	IMPLEMENT MACHINE LEARNING ALGORITHMS TO AUTOMATE THE GRADING PROCESS FOR ASSIGNMENTS AND EXAMS.	CSE	
SPIC-080	**ELYSIUM**	DEVELOP A MACHINE LEARNING MODEL FOR DIAGNOSING MEDICAL CONDITIONS BASED ON PATIENT DATA SUCH AS SYMPTOMS, MEDICAL HISTORY, AND TEST RESULTS	ECE	
SPIC-081	**ELYSIUM**	DEVELOP A RECOMMENDATION SYSTEM THAT SUGGESTS PERSONALIZED TREATMENT PLANS BASED ON A PATIENT'S GENETIC MAKEUP, MEDICAL HISTORY, AND LIFESTYLE.	ECE	
SPIC-082	**ELYSIUM**	INTEGRATE AI INTO HEALTH MONITORING WEARABLES TO PROVIDE REAL-TIME ANALYSIS OF PHYSIOLOGICAL DATA	ECE	
SPIC-083	**TOMGO**	COST EFFECTIVE WASTE-TO-ENERGY SOLUTIONS USING BLOOM BOX TECHNOLOGY.	EEE	
SPIC-084	**TOMGO**	HYDRAULIC JETTING SYSTEM FOR CLEANING DOMESTIC WASTE.	MECH	
SPIC-085	**TOMGO**	MULTI-PURPOSE VACUUM CLEANER FOR AGRICULTURE AND DOMESTIC WASTE IN GARDENS	MECH	
SPIC-086	**TOMGO**	TECHNOLOGY FOR REDUCING HYDRAULIC SYSTEM NOISE.	MECH	
SPIC-087	**TOMGO**	GPS-GUIDED TRACTORS AND AUTOMATED FARMING EQUIPMENT	MECH	
SPIC-088	**TOMGO**	ENVIRONMENTALLY FRIENDLY HYDRAULIC FLUIDS.	MECH	
SPIC-089	**TOMGO**	INTEGRATE SMART SENSORS AND MONITORING SYSTEMS INTO HYDRAULIC COMPONENTS TO ENABLE REAL-TIME PERFORMANCE TRACKING.	MECH	
SPIC-090	**TOMGO**	DESIGN AND IMPLEMENT HYDRAULIC SYSTEMS THAT OPTIMIZE ENERGY USAGE, REDUCING INEFFICIENCIES AND IMPROVING OVERALL ENERGY EFFICIENCY IN AGRICULTURE MACHINES.	MECH	
SPIC-091	**EDII**	DEVELOP A SYSTEM THAT UTILIZES SENSORS AND DATA ANALYTICS TO OPTIMIZE THE USE OF RESOURCES SUCH AS WATER, FERTILIZERS, AND PESTICIDES IN AGRICULTURE.	ECE	
SPIC-092	**EDII**	DESIGN A BLOCKCHAIN-BASED SOLUTION TO ENHANCE TRANSPARENCY AND TRACEABILITY IN THE AGRICULTURAL SUPPLY CHAIN, REDUCING FOOD FRAUD AND ENSURING PRODUCT QUALITY.	ECE	
SPIC-093	**EDII**	BUILD A PREDICTIVE MODEL THAT HELPS FARMERS ANTICIPATE AND MITIGATE THE IMPACT OF CLIMATE CHANGE ON CROP YIELDS, ALLOWING FOR BETTER PLANNING AND RISK MANAGEMENT.	ECE	
SPIC-094	**EDII**	DEVELOP AN IMAGE RECOGNITION SYSTEM USING AI TO IDENTIFY AND DIAGNOSE CROP DISEASES EARLY, ENABLING FARMERS TO TAKE TIMELY ACTION AND PREVENT THE SPREAD OF DISEASES.	ECE	

SPIC-095	**EDII**	DESIGN A SMART IRRIGATION SYSTEM THAT OPTIMIZES WATER USAGE BASED ON SOIL MOISTURE LEVELS, WEATHER FORECASTS, AND CROP REQUIREMENTS.	ECE	
SPIC-096	**EDII**	BUILD A MOBILE APP THAT ALLOWS FARMERS TO EASILY CAPTURE AND UPLOAD IMAGES OF DISEASED CROPS FOR AUTOMATED DIAGNOSIS AND TREATMENT RECOMMENDATIONS.	CSE	
SPIC-097	**EDII**	CREATE A SOLUTION FOR MONITORING AND MANAGING WATER QUALITY IN AGRICULTURAL AREAS TO ENSURE THE SAFETY OF IRRIGATION WATER FOR CROPS	ECE	
SPIC-098	**EDII**	CREATE A MOBILE APP OR PLATFORM THAT PROVIDES SMALLHOLDER FARMERS WITH ACCESS TO FINANCIAL SERVICES, INCLUDING CREDIT, INSURANCE, AND MARKET INFORMATION.	CSE	
SPIC-099	**EDII**	DESIGN A SYSTEM FOR CONVERTING AGRICULTURAL WASTE INTO VALUABLE PRODUCTS, SUCH AS BIOFUELS, FERTILIZERS, OR ANIMAL FEED.	MECH	
SPIC-100	**EDII**	DEVELOP ROBOTIC OR AUTOMATED SOLUTIONS FOR TASKS SUCH AS HARVESTING, WEEDING, OR PLANTING TO ADDRESS LABOUR SHORTAGES IN AGRICULTURE.	MECH	
SPIC-101	**EDII**	CREATE A PLATFORM THAT CONNECTS FARMERS WITH SEASONAL LABOR RESOURCES IN A MORE EFFICIENT AND STREAMLINED MANNER	MECH	
SPIC-102	**EDII**	BUILD A BLOCKCHAIN-BASED SOLUTION TO ENHANCE TRANSPARENCY IN THE FOOD SUPPLY CHAIN, ENABLING CONSUMERS TO TRACE THE ORIGIN AND JOURNEY OF AGRICULTURAL PRODUCTS FROM THE FARM TO THE MARKET.	CSE	
SPIC-103	**EDII**	DESIGN AN INNOVATIVE AND EFFICIENT COTTON SEED REMOVING MACHINE THAT CAN STREAMLINE THE COTTON GINNING PROCESS, INCREASE PRODUCTIVITY, AND REDUCE THE MANUAL LABOR REQUIRED FOR SEED REMOVAL.	MECH	
SPIC-104	**EDII**	DEVELOP AN INTELLIGENT SPRAYING SYSTEM FOR SUGARCANE AGRICULTURE THAT OPTIMIZES INPUT APPLICATION, REDUCES ENVIRONMENTAL IMPACT, AND IMPROVES OVERALL EFFICIENCY.	MECH	
SPIC-105	**EDII**	CREATE A RELIABLE AND EFFICIENT VALIDATION TOOL THAT ENSURES THE QUALITY AND AUTHENTICITY OF NON-GMO COTTON THROUGHOUT THE SUPPLY CHAIN.	MECH	
SPIC-106	**EDII**	DESIGN AN INTELLIGENT SUGARCANE HARVESTER EQUIPPED WITH FEATURES FOR EFFICIENT CUTTING, PACKING, AND WASTE DISPOSAL, ENHANCING OVERALL PRODUCTIVITY AND SUSTAINABILITY.	MECH	
SPIC-107	**EDII**	DESIGN A COMPACT AND PORTABLE DRYING UNIT THAT IS EASY TO TRANSPORT AND CAN BE USED IN BOTH SMALL-SCALE SPICE PROCESSING FACILITIES AND ON-FARM APPLICATIONS.	MECH	

SPIC-108	**EDII**	IMPLEMENT A SYSTEM THAT PROVIDES REAL-TIME TRACKING AND MONITORING OF AGRICULTURE PRODUCTS THROUGHOUT THE ENTIRE SUPPLY CHAIN. THIS INCLUDES TRACKING THE LOCATION, CONDITION, AND HANDLING OF PRODUCTS DURING TRANSPORTATION.	ECE	
SPIC-109	**EDII**	DESIGN A PORTABLE STORAGE SYSTEM THAT IS ENERGY-EFFICIENT, PRESERVES THE QUALITY OF VEGETABLES AND FRUITS, AND IS SUITABLE FOR VARIOUS ENVIRONMENTAL CONDITIONS.	EEE	
SPIC-110	**EDII**	DESIGN COST-EFFECTIVE PESTICIDE SPRAYING ROBOTS THAT CAN EFFICIENTLY AND PRECISELY APPLY PESTICIDES WHILE MINIMIZING ENVIRONMENTAL IMPACT AND OPERATIONAL COSTS FOR FARMERS.	ECE	
SPIC-111	**EDII**	DESIGN AN INNOVATIVE COVERING SYSTEM THAT ENSURES THE INTEGRITY AND QUALITY OF AGRICULTURE PRODUCTS DURING TRANSPORTATION, WITH A FOCUS ON EASE OF USE, DURABILITY, AND ADAPTABILITY TO VARIOUS TRANSPORTATION METHODS.	MECH	
SPIC-112	**EDII**	DESIGN AN INNOVATIVE AND EFFICIENT COCONUT HARVESTING SOLUTION THAT ENSURES WORKER SAFETY, INCREASES PRODUCTIVITY, AND MINIMIZES DAMAGE TO THE TREES AND COCONUTS.	MECH	
SPIC-113	**EDII**	TO DESIGN AN EFFICIENT AMLA DESEEDING MACHINE THAT CAN QUICKLY AND EFFECTIVELY REMOVE THE SEEDS FROM AMLA FRUITS, ENABLING EASIER CONSUMPTION AND PROCESSING.	MECH	
SPIC-114	**EDII**	TO DESIGN AN EFFICIENT MANGO SKIN REMOVER THAT STREAMLINES THE MANGO POWDER PROCESSING, MAKING IT MORE COST-EFFECTIVE AND SCALABLE.	MECH	
SPIC-115	**EDII**	THE CHALLENGE IS TO DESIGN AN EFFICIENT AND COST-EFFECTIVE PROCESS FOR PRODUCING DESICCATED COCONUT POWDER WHILE MAINTAINING PRODUCT QUALITY.	MECH	
SPIC-116	**EDII**	DESIGN INNOVATIVE SOLUTIONS FOR PADDY SEEDING AND HARVESTING THAT IMPROVE EFFICIENCY, REDUCE ENVIRONMENTAL IMPACT, AND CONTRIBUTE TO SUSTAINABLE RICE FARMING.	MECH	
SPIC-117	**EDII**	DEVELOPMENT OF AN EFFECTIVE GOAT WASTE CLEANING MECHANISM FOR LIVESTOCK FARMING.	MECH	
SPIC-118	**EDII**	DEVELOP AN ADVANCED AND USER-FRIENDLY SOIL TESTING DEVICE THAT ENABLES REAL-TIME, ON-SITE ANALYSIS FOR FARMERS, PROMOTING SUSTAINABLE AND PRECISE FARMING PRACTICES.	EEE	
SPIC-119	**EDII**	TO DESIGN AN INNOVATIVE AND EFFICIENT ATTACHMENT BRACKET THAT CAN SECURELY HOLD COCONUTS DURING THE HARVESTING PROCESS, REDUCING THE NEED FOR MANUAL CLIMBING AND ENHANCING OVERALL EFFICIENCY.	MECH	
SPIC-120	**MSME**	TO CREATE AN EASY-TO-USE DIGITAL ONBOARDING PLATFORM SPECIFICALLY DESIGNED FOR MSMES	ECE	

SPIC-121	**MSME**	TO DEVELOP A COST-EFFECTIVE E-COMMERCE SOLUTION TAILORED FOR MSMES TO HELP THEM ESTABLISH AN ONLINE PRESENCE. INCLUDE FEATURES THAT SIMPLIFY PRODUCT LISTINGS, ORDER MANAGEMENT, AND CUSTOMER INTERACTIONS.	ECE	
SPIC-122	**MSME**	CREATE AN INTUITIVE FINANCIAL MANAGEMENT TOOL TAILORED FOR MSMES, INTEGRATING BUDGETING, INVOICING, AND EXPENSE TRACKING.	CSE	
SPIC-123	**MSME**	DEVELOP ECO-FRIENDLY PACKAGING SOLUTIONS FOR AGRICULTURAL PRODUCTS TO REDUCE ENVIRONMENTAL IMPACT.	MECH	
SPIC-124	**MSME**	TO DEVELOP AN MOBILE APP THAT HELP MSMES ADAPT TO CLIMATE CHANGE, INCLUDING TOOLS FOR WEATHER FORECASTING, DROUGHT-RESISTANT CROP VARIETIES, AND WATER MANAGEMENT SYSTEMS	CSE	
SPIC-125	**MSME**	CREATE A PLATFORM THAT PROVIDES MSMES IN AGRICULTURE WITH REAL-TIME MARKET INFORMATION, INCLUDING PRICES, DEMAND TRENDS, AND SUPPLY CHAIN UPDATES. ENSURE ACCESSIBILITY FOR FARMERS WITH LIMITED INTERNET CONNECTIVITY.	ECE	
SPIC-126	**MSME**	PROJECT TO HARNESS THE SUSTAINABLE POTENTIAL OF COCONUT SHELLS, A BYPRODUCT OF THE COCONUT INDUSTRY, BY PROCESSING THEM INTO HIGH-QUALITY POWDER	MECH	
SPIC-127	**MSME**	TO DEVELOP A RELIABLE AND EFFICIENT SYSTEM FOR DETECTING PESTICIDE RESIDUES IN VEGETABLES. PESTICIDE CONTAMINATION IN VEGETABLES POSES HEALTH RISKS TO CONSUMERS AND AFFECTS THE ENVIRONMENT.	ECE	
SPIC-128	**MSME**	TO DEVELOP A ROBUST CYBERSECURITY PROTOCOLS AND TOOLS TO SAFEGUARD HEALTHCARE INFRASTRUCTURE AND DATA INTEGRITY IS ESSENTIAL.	ECE	
SPIC-129	**MSME**	TO DESIGN A USER-FRIENDLY REMOTE PATIENT MONITORING DEVICES AND APPLICATIONS	ECE	
SPIC-130	**TARCIN**	DEVELOPING A CHATBOT THAT NOT ONLY UNDERSTANDS USER QUERIES ACCURATELY BUT ALSO RESPONDS SWIFTLY, PROVIDING A SEAMLESS AND REAL-TIME CONVERSATIONAL EXPERIENCE.	CSE	
SPIC-131	**TARCIN**	PICK-AND-PLACE OPERATIONS TO MORE COMPLEX ACTIONS LIKE OBJECT RECOGNITION, SORTING, OR MANIPULATION.	ECE	
SPIC-132	**TARCIN**	OBJECT RECOGNITION, TRACKING, AND SCENE INTERPRETATION. OPENCV, TENSORFLOW, AND PYTORCH ARE POPULAR LIBRARIES FOR COMPUTER VISION.	ECE	
SPIC-133	**TARCIN**	ROBOT EQUIPPED WITH A CAMERA DISPLAY INVOLVES COMBINING ELEMENTS OF NATURAL LANGUAGE PROCESSING (NLP), COMPUTER VISION, AND ROBOTICS	ECE	
SPIC-134	**TARCIN**	IMPLEMENT SWARM INTELLIGENCE ALGORITHMS THAT ENABLE ROBOTS TO EXHIBIT COLLECTIVE BEHAVIORS.	ECE	

SPIC-135	**TARCIN**	AUTONOMOUS OR SEMI-AUTONOMOUS DOGS FOR SURVEILLANCE AND RECONNAISSANCE PURPOSES.	ECE	
SPIC-136	**JSW**	ENVIRONMENTAL IMPACT ASSESSMENT: ENVIRONMENTAL IMPACT ASSESSMENT IN VILLAGE PANCHAYAT USING RIAM SOFTWARE	CE	
SPIC-137	**JSW**	WATER RESOURCES ENGINEERING: GREEN PAVEMENTS FOR SUSTAINABLE STORM WATER MANAGEMENT	CE	
SPIC-138	**JSW**	SUSTAINABLE MATERIALS: EXPERIMENTAL STUDY ON PROPERTIES OF FIBRE CEMENT BOARDS FOR BUILDING PARTITIONS	CE	
SPIC-139	**JSW**	SURVEYING: DESIGN AND NUMERICAL SIMULATION OF AN ODOMETER WHEEL IN SURVEYING	CE	
SPIC-140	**JSW**	ENGINEERED COMPOSITES: INFLUENCE OF SILICA FUME AND POLYVINYL ALCOHOL FIBRES IN THE ENHANCEMENT OF STRENGTH OF ENGINEERED CEMENTITIOUS COMPOSITES	CE	
SPIC-141	**JSW**	GEOTECHNICAL ENGINEERING: A STUDY BASED ON GEOTECHNICAL PROPERTIES OF CONTAMINATED SOIL AROUND TANNERY INDUSTRY	CE	
SPIC-142	**JSW**	STRUCTURAL ENGINEERING: MICRO STRUCTURAL ANALYSIS OF HIGH PERFORMANCE CONCRETE USING USED FOUNDRY SAND (UFS)	CE	
SPIC-143	**JSW**	CONCRETE TECHNOLOGY: WATER ABSORBING PAVEMENTS BY USING POROUS CONCRETE	CE	
SPIC-144	**JSW**	STRUCTURAL MONITORING: STUDY OF SHEAR REINFORCED VOIDS OF U-BOOT SLABS WITH GFRP SHEETS	CE	
SPIC-145	**JSW**	IRRIGATION ENGINEERING: SMART IRRIGATION SYSTEM: ENHANCING AGRICULTURAL WATER EFFICIENCY	CE	
SPIC-146	**Shree Tech**	AUTOMATIC CHLORINATION OF DOMESTIC WATER, INTEGRATED WITH A TANK LEVEL CONTROLLER, TO ENSURE CONTINUOUS DISINFECTION AND RELIABLE WATER SUPPLY IN RURAL VILLAGES	EEE	
SPIC-147	**Shree Tech**	TO DESIGN AND IMPLEMENTATION OF ANSUPPORTING DEVICE, SPECIFICALLY UTILIZING STEPPER MOTOR TECHNOLOGY, TO ADDRESS THE UNIQUE NEEDS OF INDIVIDUALS WITH MOBILITY IMPAIRMENTS.	EEE	
SPIC-148	**Shree Tech**	DEVELOPMENT OF A SEED-SOWING AGRICULTURE ROBOT WITH SERVO MOTORS AND INTEGRATED SPRAYING SYSTEM	EEE	
SPIC-149	**Shree Tech**	INTEGRATE BLDC MOTORS INTO AUTOMATED SYSTEMS SUCH AS ROBOTIC HARVESTERS, WEEDERS, AND DRONES, ENHANCING PRECISION AND REDUCING MANUAL LABOUR	MECH	
SPIC-150	**Shree Tech**	IMPLEMENT DATA LOGGING CAPABILITIES USING PLC & SCADA TO RECORD HISTORICAL DATA ON ENVIRONMENTAL CONDITIONS, IRRIGATION SCHEDULES, AND PLANT GROWTH	EEE	

SPIC-151	**Shree Tech**	TO ENHANCE THE RESILIENCE OF TRANSFORMERS DURING WEATHER ABNORMALITIES, SUCH AS LIGHTNING, HEAVY STORMS, AND EXTREME TEMPERATURES, TO ENSURE RELIABLE AND UNINTERRUPTED POWER SUPPLY	EEE	
SPIC-152	**Shree Tech**	TO PROVIDE AN ENERGY-EFFICIENT AND SUSTAINABLE ALTERNATIVE TO TRADITIONAL DRYING METHODS, ENSURING THE PRESERVATION OF CARDAMOM QUALITY WHILE REDUCING ENVIRONMENTAL IMPACT	MECH	
SPIC-153	**Shree Tech**	DESIGN AND DEVELOP A COCONUT DEHUSKING MACHINE USING BRUSHLESS DC (BLDC) MOTORS.	EEE	
SPIC-154	**Shree Tech**	DESIGN A COST-EFFECTIVE AND SUSTAINABLE IRRIGATION SOLUTIONS BY HARNESSING SOLAR POWER,BY INTEGRATING SOLAR WATER PUMPING AND DRIP IRRIGATION TECHNOLOGIES	MECH	
SPIC-155	**Shree Tech**	DEVELOP SURGE PROTECTION DEVICES USING HIGH INSULATION POLYMERS TO SAFEGUARD ELECTRICAL SYSTEMS FROM VOLTAGE SPIKES.	EEE	