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# IEEE PROJECT TITLES 2026-2027



**SPIRO**  
PRIME TECH SERVICES

- Research & Development Program(RDP)
- Final Year Academic Project(FAP) In Software And Embedded Technologies
- Application Development Program(ADP)

**PROJECT TITLES GUIDE**  
**2026 - 2027**

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## Java& Android

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# Hardware & Embedded Systems

## INTERNET OF THINGS

| S.N | P. CODE | PROJECT TITLE                                                                                                           | PROJECT OUTLINE<br>- CLICK HERE                                                       | PROJECT DEMO<br>- CLICK HERE                                                          |
|-----|---------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1.  | ITIOT01 | CYBER DRIVE: EMBEDDED SECURITY LAYER FOR AUTONOMOUS VEHICLES                                                            |    |    |
| 2.  | ITIOT02 | INDUSTRIAL SENTINEL: IOT-BASED CYBER ATTACK DETECTION AND PREVENTION SYSTEM FOR SMART FACTORIES                         |    |    |
| 3.  | ITIOT03 | SECURE CALL AI: INTELLIGENT INTRUSION DETECTION AND ALERT SYSTEM                                                        |    |    |
| 4.  | ITIOT04 | CRASH SENSE AI: INTELLIGENT ACCIDENT DETECTION AND CELLULAR ALERT PLATFORM                                              |    |    |
| 5.  | ITIOT05 | AMBIENT WIRELESS SIGNAL INTELLIGENCE FOR HUMAN MOTION CLASSIFICATION USING CSI AND CNN ARCHITECTURE                     |  |  |
| 6.  | ITIOT06 | NEXT-GENERATION INTELLIGENT HIGH-VOLTAGE TRANSMISSION TOWER SYSTEM WITH CLOUD-CONNECTED OTA                             |  |  |
| 7.  | ITIOT07 | SMART HELMET FOR ACCIDENT DETECTION AND REAL-TIME QR-BASED EMERGENCY IDENTITY RETRIEVAL SYSTEM                          |  |  |
| 8.  | ITIOT08 | ELDER SENSE STICK: EDGE AI POWERED SMART CANE FOR FALL PREDICTION AND EMERGENCY ALERT                                   |  |  |
| 9.  | ITIOT09 | BIO-INSPIRED FREE RTOS NAVIGATION ASSISTANT FOR BLIND USERS WITH EVENT-DRIVEN OBSTACLE INTELLIGENCE AND HAPTIC ENCODING |  |  |
| 10. | ITIOT10 | IOT AND TINY ML HYBRID SYSTEM FOR CLOUDBURST PREDICTION AND CROP DAMAGE PREVENTION                                      |  |  |
| 11. | ITIOT11 | INTEGRATED RURAL SCHEME AWARENESS AND TELEGRAM ENQUIRY SERVICE BY SENIOR CITIZEN COOPERATIVE SOCIETY USING OPEN CLAW    |  |  |



| S.N | P. CODE | PROJECT TITLE                                                                                                                  | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| 12. | ITIOT12 | AI-BASED ACCIDENT DETECTION WITH GEO-HOTSPOT TRACKING AND CIVIL RESPONSE NOTIFICATION SYSTEM USING MM WAVE RADAR               | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 13. | ITIOT13 | SMART TRANSPORTATION VEHICLE TIME-BASED COST ANALYSIS AND MONITORING SYSTEM WITH MIT APP INTEGRATION                           | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 14. | ITIOT14 | IOT-ENABLED TAMPER-PROOF EXAMINATION QUESTION PAPER TRANSPORTATION BOX WITH REAL-TIME TRACKING AND MULTI-FACTOR ACCESS CONTROL | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 15. | ITIOT15 | SMART RAILWAY STATION SAFETY GUIDANCE SYSTEM USING LASER PROJECTION                                                            | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 16. | ITIOT16 | SMART REHABILITATION SYSTEM USING SUPER MARIO GAMIFIED THERAPY AND ADAPTIVE MOTION ANALYSIS                                    | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 17. | ITIOT17 | TINY ML BASED PASSENGER BEHAVIOR MONITORING AND SAFETY ALERT SYSTEM FOR CRUISE SHIPS                                           | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 18. | ITIOT18 | SENSOR FUSION ENABLED SCHOOL BUS SAFETY SYSTEM FOR CHILD OCCUPANCY AND EMERGENCY MONITORING                                    | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 19. | ITIOT19 | INTELLIGENT FOOD DELIVERY BAG MONITORING SYSTEM FOR REAL-TIME QUALITY AND SAFETY ASSURANCE                                     | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 20. | ITIOT20 | IOT-EMBEDDED URBAN WATER SEGREGATION AND INTELLIGENT WATER QUALITY ASSESSMENT SYSTEM                                           | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |

## AGRICULTURE

| S.N | P. CODE  | PROJECT TITLE                                                                                     | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
|-----|----------|---------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| 21. | ITAGRI01 | HYDRO SYNC: REAL-TIME EDGE AI-ENABLED SMART WATER DISTRIBUTION SYSTEM FOR SUSTAINABLE AGRICULTURE | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 22. | ITAGRI02 | SMART ANTI-THEFT SECURITY SYSTEM FOR AGRICULTURAL WATER PUMPS USING AI AND AUDIO-BASED PROTECTION | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 23. | ITAGRI03 | SMART FARM SECURITY SYSTEM FOR WILD BOAR DETECTION AND PREVENTION                                 | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |



| S.N | P. CODE  | PROJECT TITLE                                                                                                                                | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
|-----|----------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| 24. | ITAGRI04 | EMBEDDED TINY ML FRAMEWORK FOR SMART SOIL CARBON ESTIMATION AND PRECISION AGRICULTURE DECISION SUPPORT SYSTEM USING SENSOR FUSION TECHNIQUES | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 25. | ITAGRI05 | ADVANCED IOT-INTEGRATED HYDROPONIC SYSTEM FOR PRECISION AGRICULTURE AND REMOTE MANAGEMENT                                                    | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 26. | ITAGRI06 | AI-BASED SMART PLANT GROWTH SYSTEM WITH SOUND THERAPY AND UV LIGHT FOR ENHANCED DEVELOPMENT                                                  | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |

## AUGUMENTED REALITY

| S.N | P. CODE | PROJECT TITLE                                                                                       | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
|-----|---------|-----------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| 27. | ITAR01  | INTERACTIVE AR SYSTEM FOR LEARNING HOSPITAL PROCEDURES AND PATIENT FLOW                             | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 28. | ITAR02  | AUGMENTED REALITY BASED 3D CONSTRUCTION DESIGN VISUALIZATION SYSTEM                                 | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 29. | ITAR03  | AR BASED SMART MUSEUM SCULPTURE DISPLAY AND INTERACTIVE VISUALIZATION SYSTEM                        | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 30. | ITAR04  | AUGMENTED REALITY BASED INDUSTRIAL MACHINE ASSESSMENT SYSTEM FOR INTERNSHIP TRAINING                | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 31. | ITAR05  | AUGMENTED REALITY ENABLED SMART ELECTRONICS LEARNING PLATFORM WITH LIVE CIRCUIT PARAMETER MAPPING   | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 32. | ITAR06  | AUGMENTED REALITY-BASED VISUALIZATION OF EMBEDDED IOT PROTOTYPE SYSTEMS USING REAL-TIME SENSOR DATA | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |

**RFID NFC**

| S.N | P. CODE  | PROJECT TITLE                                                                                                         | PROJECT OUTLINE<br>- CLICK HERE                                                     | PROJECT DEMO<br>- CLICK HERE                                                        |
|-----|----------|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 33. | ITRFID01 | AI AND IOT-BASED MEDICAL PRESCRIPTION ANALYSIS AND SMART MEDICINE DISPENSING SYSTEM USING NFC FOR ASSISTED HEALTHCARE |  |  |
| 34. | ITRFID02 | SMART HEALTH AND SAFETY MONITORING SYSTEM FOR TOURISTS USING IOT WITH NFC INTEGRATION                                 |  |  |
| 35. | ITRFID03 | MACHINE LEARNING ASSISTED NFC AUTHENTICATION SYSTEM FOR ANTI-COUNTERFEIT DRUG IDENTIFICATION                          |  |  |
| 36. | ITRFID04 | TINY ML BASED SMART THEME PARK VISITOR FLOW OPTIMIZATION SYSTEM                                                       |  |  |
| 37. | ITRFID05 | RFID-BASED AUTOMATED GARBAGE COLLECTION ALERT SYSTEM FOR RESIDENTIAL COMMUNITIES                                      |  |  |

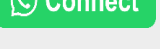
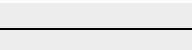
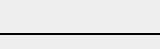
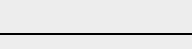
**BIO MEDICAL**

| S.N | P. CODE | PROJECT TITLE                                                                                 | PROJECT OUTLINE<br>- CLICK HERE                                                       | PROJECT DEMO<br>- CLICK HERE                                                          |
|-----|---------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 38. | ITBIO01 | OSTEOPOROSIS SENSE: AI-BASED BONE DENSITY ASSESSMENT USING PIEZOELECTRIC ULTRASOUND           |  |  |
| 39. | ITBIO02 | PIEZO PULSE: INTELLIGENT TISSUE REGENERATION THERAPY PLATFORM                                 |  |  |
| 40. | ITBIO03 | EEG-BASED INTELLIGENT NEURO-ADAPTIVE HEALTHCARE AND MOBILITY ASSISTANCE SYSTEM FOR PARALYSIS. |  |  |
| 41. | ITBIO04 | EMBEDDED MICRO-NEURAL ACTIVITY MONITORING AND ALERT SYSTEM FOR COMA PATIENTS                  |  |  |
| 42. | ITBIO05 | COGNITIVE HEALTH SURVEILLANCE SYSTEM USING SERA AND REAL-TIME HEALTH SIGNAL ANALYTICS         |  |  |
| 43. | ITBIO06 | AI-DRIVEN SMART GLOVE FOR DETECTION AND RECOVERY ASSISTANCE IN RAYNAUD'S PHENOMENON.          |  |  |



| S.N | P. CODE | PROJECT TITLE                                                                                                            | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 44. | ITBIO07 | AI-ENABLED SALIVA BIO-SENSING FRAMEWORK FOR REAL-TIME DIABETES MONITORING AND PREDICTIVE HEALTH ANALYTICS                |                                 |                              |
| 45. | ITBIO08 | SMART AUDIO-TO-VISUAL ALERT SYSTEM FOR DEAF AND HARD OF HEARING INDIVIDUALS USING EDGE IMPULSE AUDIO CLASSIFICATION      |                                 |                              |
| 46. | ITBIO09 | WEARABLE SMART FOOTWEAR FOR EARLY DETECTION AND MONITORING OF FOOT ULCER CONDITIONS                                      |                                 |                              |
| 47. | ITBIO10 | FREE RTOS-BASED MULTI-SENSOR SEIZURE DETECTION AND ALERT DEVICE                                                          |                                 |                              |
| 48. | ITBIO11 | REAL-TIME CROWD HEALTH MONITORING SYSTEM USING TOUCH-BASED NETWORKING WITH MIT APP                                       |                                 |                              |
| 49. | ITBIO12 | DESIGN AND DEVELOPMENT OF AR-BASED BED SORE DETECTION SYSTEM                                                             |                                 |                              |
| 50. | ITBIO13 | DETERMINISTIC REAL-TIME PACEMAKER AND INFUSION PUMP CONTROL SYSTEM USING FREE RTOS                                       |                                 |                              |
| 51. | ITBIO14 | AUTOMATED POSTURE DETECTION AND CORRECTION ERGONOMIC CHAIR SYSTEM                                                        |                                 |                              |
| 52. | ITBIO15 | WEARABLE FOOT SENSING SYSTEM FOR PSYCHOLOGICAL STRESS DETECTION USING GAIT PATTERNS                                      |                                 |                              |
| 53. | ITBIO16 | MACHINE LEARNING-BASED SYSTEM FOR LOWER LIMB VASCULAR ABNORMALITY DETECTION AND THERAPEUTIC RECOMMENDATION               |                                 |                              |
| 54. | ITBIO17 | AI-ASSISTED TEETH-BASED MORSE CODE COMMUNICATION SYSTEM WITH AUTOMATED SPEECH CONVERSION FOR SPEECH-IMPAIRED INDIVIDUALS |                                 |                              |

**EDGE AI & TINY ML**

| S.N | P. CODE | PROJECT TITLE                                                                                                                                     | PROJECT OUTLINE<br>- CLICK HERE                                                       | PROJECT DEMO<br>- CLICK HERE                                                          |
|-----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 55. | ITET01  | FREE RTOS-BASED INTELLIGENT WATER PIPELINE LEAKAGE DETECTION AND PREDICTION SYSTEM FOR SMART APARTMENTS AND MUNICIPAL WATER DISTRIBUTION NETWORKS |    |    |
| 56. | ITET02  | SMART PUBLIC AREA SMOKE MONITORING AND ENFORCEMENT SYSTEM USING EDGE IMPULSE TINY ML                                                              |    |    |
| 57. | ITET03  | WEARABLE SMART SAFETY DEVICE FOR CHILD PROTECTION AND STRESS ANALYSIS USING LSTM AND EDGE IMPULSE AUDIO CLASSIFICATION                            |    |    |
| 58. | ITET04  | AI-BASED UNDERWATER OPTICAL FIBER CABLE FAULT DETECTION SYSTEM USING ACOUSTIC AND SIGNAL ANALYSIS WITH TINY ML                                    |    |    |
| 59. | ITET05  | SMART VEHICLE EXHAUST SOUND DETECTION AND FINE ENFORCEMENT SYSTEM USING AUDIO ANALYSIS AND TWILIO SMS                                             |  |  |
| 60. | ITET06  | AI-POWERED PREDICTIVE WORKER HAZARD DETECTION AND AUTONOMOUS EMERGENCY MACHINE SHUTDOWN SYSTEM FOR SMART INDUSTRIES                               |  |  |
| 61. | ITET07  | AI-DRIVEN DIGITAL CARDIAC AUSCULTATION SYSTEM FOR INTELLIGENT HEART SOUND ANALYSIS AND EARLY CARDIOVASCULAR RISK DETECTION                        |  |  |
| 62. | ITET08  | EDGE AI BASED PULMONARY SOUND ANALYTICS FOR REAL-TIME ASTHMA DETECTION AND SEVERITY CLASSIFICATION                                                |  |  |
| 63. | ITET09  | SMART SCHOOL SAFETY SYSTEM FOR EARLY DRUG AND SMOKING ACTIVITY DETECTION USING EDGE IMPULSE                                                       |  |  |
| 64. | ITET10  | AI-BASED MULTI-LAYER DRIVER VALIDATION AND VEHICLE OPERATION CONTROL SYSTEM                                                                       |  |  |
| 65. | ITET11  | TINY ML-ENABLED WIRELESS SENSOR NETWORK FOR REAL-TIME MOUNTAIN SAFETY AND LANDSLIDE DETECTION                                                     |  |  |

**ELECTRICAL**

| S.N | P. CODE | PROJECT TITLE                                                                                                  | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
|-----|---------|----------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| 66. | ITEEE01 | SMART POWER DISTRIBUTION SYSTEM WITH FOUR-PHASE AUTOMATION                                                     | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 67. | ITEEE02 | HYBRID WASTEWATER ENERGY GENERATION SYSTEM USING MICRO HYDRO TURBINE AND ELECTRODES                            | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 68. | ITEEE03 | SUSPENSION-BASED ENERGY GENERATION SYSTEM USING BICYCLE MECHANISM                                              | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 69. | ITEEE04 | AI-POWERED PRIVACY-PRESERVING HOME AUTOMATION USING MM WAVE RADAR-BASED HUMAN PRESENCE DETECTION               | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 70. | ITEEE05 | AI AND IOT ENABLED MULTI-PARAMETER TRANSFORMER FIRE EARLY DETECTION AND PREVENTION SYSTEM                      | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 71. | ITEEE06 | ADVANCED BATTERY MANAGEMENT SYSTEM FOR THERMAL RUNAWAY PREVENTION                                              | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 72. | ITEEE07 | IOT-ENABLED MULTI-BAND RF-BASED MOBILE PHONE DETECTION AND MONITORING SYSTEM FOR SECURE EXAMINATION HALLS      | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 73. | ITEEE08 | ADVANCED AIR QUALITY CONTROL SYSTEM FOR TEXTILE MANUFACTURING PLANTS                                           | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 74. | ITEEE09 | INTELLIGENT ANTI-SURVEILLANCE PLATFORM FOR COVERT CAMERA AND WIRELESS BUG IDENTIFICATION                       | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 75. | ITEEE10 | AI BASED SMART DUAL-BATTERY EV CHARGING SYSTEM WITH THERMAL MANAGEMENT AND ENERGY RECOVERY                     | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 76. | ITEEE11 | AI AND IOT-BASED SMART GREEN PARK SYSTEM FOR RENEWABLE ENERGY OPTIMIZATION AND AUTOMATED IRRIGATION MANAGEMENT | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 77. | ITEEE12 | AUTOMATIC POWER FACTOR MONITORING AND CORRECTION SYSTEM USING SEQUENTIAL LOAD BALANCING                        | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |



| 78.                     | ITEEE13 | DUAL-SOURCE HYBRID ENERGY HARVESTING SYSTEM USING THERMAL GRADIENTS AND PIEZOELECTRIC CONVERTERS FOR CONTINUOUS POWER GENERATION | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
|-------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| <b>WIRELESS NETWORK</b> |         |                                                                                                                                  |                                 |                               |
| S.N                     | P. CODE | PROJECT TITLE                                                                                                                    | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
| 79.                     | ITWN01  | SELF-RECONFIGURABLE FOREST PROTECTION ARCHITECTURE FOR MULTI-THREAT SITUATIONAL AWARENESS                                        | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 80.                     | ITWN02  | HIKE AWARE: PREDICTIVE SAFETY AND CHAT SYSTEM FOR MOUNTAIN TREKKING USING LORA                                                   | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 81.                     | ITWN03  | IOT-BASED POLE MONITORING SYSTEM FOR SMART INFRASTRUCTURE IN HILLY AND REMOTE REGIONS                                            | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 82.                     | ITWN04  | CSI-BASED SMART PUBLIC TOILET OCCUPANCY DETECTION AND AUTOMATED CLEANING SYSTEM                                                  | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 83.                     | ITWN05  | AI-ENABLED MULTI-CHANNEL STATE MONITORING AND INTRUSION PREVENTION SYSTEM FOR BANK LOCKER ENTRANCES                              | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 84.                     | ITWN06  | AI AND IOT ENABLED AUTONOMOUS FLOODED ROAD DETECTION, RISK ASSESSMENT, AND DRIVER WARNING SYSTEM FOR SMART TRANSPORTATION        | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 85.                     | ITWN07  | LORA BASED-SMART URBAN ENTERPRISE COMMUNICATION PLATFORM FOR CONFIDENTIAL INTER-BRANCH COLLABORATION                             | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 86.                     | ITWN08  | URBAN EMERGENCY INFORMATION GRID FOR RELIABLE PUBLIC COMMUNICATION DURING INFRASTRUCTURE FAILURES                                | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 87.                     | ITWN09  | PIEZOELECTRIC WATER COMMUNICATION-BASED BOAT SURVEILLANCE AND FAULT DETECTION SYSTEM FOR EMERGENCY RESPONSE.                     | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 88.                     | ITWN10  | NEURODRAIN: REAL-TIME IOT-ENABLED DRAINAGE MONITORING SYSTEM FOR BLOCKAGE DETECTION AND METHANE GAS HAZARD DETECTION             | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |



| S.N | P. CODE | PROJECT TITLE                                                                                      | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|---------|----------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 89. | ITWN11  | LORA COMMUNICATION-BASED SMART RAILWAY GATE CONTROL AND REAL-TIME SAFETY SYSTEM                    |                                 |                              |
| 90. | ITWN12  | AGRO NEXUS: SOIL-MEDIATED COMMUNICATION SYSTEM FOR SMART AGRICULTURAL MONITORING AND COLLABORATION |                                 |                              |

## MECHANICAL

| S.N  | P. CODE | PROJECT TITLE                                                                           | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|------|---------|-----------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 91.  | ITME01  | AUTOMATED WALL PAINTING ROBOT FOR SMART CONSTRUCTION APPLICATIONS                       |                                 |                              |
| 92.  | ITME02  | UNDER-BRIDGE INSPECTION AND MONITORING SYSTEM USING WALL-CLIMBING ROBOT USING FREE RTOS |                                 |                              |
| 93.  | ITME03  | SLAM-ASSISTED HIGH-ALTITUDE SPRAY PAINTING ROBOTIC SYSTEM                               |                                 |                              |
| 94.  | ITME04  | REAL-TIME OCEAN SEARCH AND RESCUE BOAT WITH MM WAVE SENSING AND AI                      |                                 |                              |
| 95.  | ITME05  | SMART AIRCRAFT GROUND SAFETY WHEEL CHOCKING SYSTEM WITH MM WAVE SENSING                 |                                 |                              |
| 96.  | ITME06  | SENSOR FUSION-BASED INTELLIGENT CRASH PREVENTION AND EMERGENCY LANDING SYSTEM           |                                 |                              |
| 97.  | ITME07  | AI-POWERED PREDICTIVE SUNLIGHT RESPONSIVE SLIDING WINDOW FOR SMART GREEN BUILDINGS      |                                 |                              |
| 98.  | ITME08  | SLAM BASED AUTONOMOUS FOOD COURT SERVICE AND DELIVERY ROBOT FOR SMART SHOPPING MALLS    |                                 |                              |
| 99.  | ITME09  | SLAM ENABLED AUTONOMOUS INDUSTRIAL SAFETY PATROL ROBOT FOR PPE COMPLIANCE MONITORING    |                                 |                              |
| 100. | ITME10  | IOT-BASED UNDERWATER FISH DETECTION AND LOCATION REPORTING SUBMARINE                    |                                 |                              |

**RSSI**

| S.N  | P. CODE  | PROJECT TITLE                                                                                                                        | PROJECT OUTLINE<br>- CLICK HERE                                                       | PROJECT DEMO<br>- CLICK HERE                                                          |
|------|----------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 101. | ITRSSI01 | IOT-BASED SAND MINING MONITORING AND ANTI-THEFT COMPLIANCE SYSTEM WITH AUDIO ANALYSIS                                                |    |    |
| 102. | ITRSSI02 | IOT-BASED INTELLIGENT PASSENGER OCCUPANCY ESTIMATION AND SMART BUS MANAGEMENT SYSTEM FOR PUBLIC TRANSPORT OPTIMIZATION               |    |    |
| 103. | ITRSSI03 | INTELLIGENT VISION AND IOT-BASED WORKFORCE MONITORING SYSTEM FOR CHILD LABOR PREVENTION AND SAFETY ENFORCEMENT IN CONSTRUCTION SITES |    |    |
| 104. | ITRSSI04 | AI-DRIVEN SMART MARITIME SAFETY, NAVIGATION, AND COASTAL INTRUSION PREVENTION FRAMEWORK FOR REAL-TIME OCEAN SURVEILLANCE             |  |  |

**STM32**

| S.N  | P. CODE | PROJECT TITLE                                                                                                              | PROJECT OUTLINE<br>- CLICK HERE                                                       | PROJECT DEMO<br>- CLICK HERE                                                          |
|------|---------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 105. | ITSTM01 | QR-BASED INDUSTRIAL MACHINE INTERACTION SYSTEM FOR TRAINING, MAINTENANCE, FAULT REPORTING, AND AI FAILURE PREDICTION       |  |  |
| 106. | ITSTM02 | IOT-ENABLED AUTOMATIC INDUSTRIAL CHEMICAL MIXING CONTROLLER WITH REAL-TIME QUALITY MONITORING AND ADAPTIVE PROCESS CONTROL |  |  |
| 107. | ITSTM03 | PREDICTIVE OXYGEN SUPPLY MANAGEMENT WITH AUTOMATIC CYLINDER SWITCHING                                                      |  |  |

**LIFI**

| S.N  | P. CODE  | PROJECT TITLE                                                                                                              | PROJECT OUTLINE<br>- CLICK HERE                                                     | PROJECT DEMO<br>- CLICK HERE                                                        |
|------|----------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 108. | ITLIFI01 | LI-FI BASED SECURE AND REAL-TIME ICU PATIENT MONITORING SYSTEM FOR HIGH-SPEED BIOMEDICAL DATA TRANSMISSION USING FREE RTOS |  |  |

**ROBOTICS**

| S.N  | P. CODE | PROJECT TITLE                                                                                                                                                           | PROJECT OUTLINE<br>- CLICK HERE                                                       | PROJECT DEMO<br>- CLICK HERE                                                          |
|------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 109. | ITROB01 | AEGIS DRIVE: AI-POWERED ADVANCED DRIVER ASSISTANCE AND ACCIDENT PREVENTION SYSTEM                                                                                       |    |    |
| 110. | ITROB02 | AUTO PILOT X: AI-POWERED DRIVERLESS NAVIGATION AND SAFETY SYSTEM                                                                                                        |    |    |
| 111. | ITROB03 | SMART WIRELESS GESTURE-BASED ROBOTIC ASSISTANCE SYSTEM FOR PARALYSIS PATIENTS                                                                                           |  |  |
| 112. | ITROB04 | OMOBOT: INTELLIGENT ROBOTIC SYSTEM FOR HEALTHCARE SUPPORT USING TINY ML-BASED AI DECISION MAKING WITH SLAM INTEGRATION                                                  |  |  |
| 113. | ITROB05 | SMART CEMENT QUALITY CONTROL AND STRAIN BREAKING TESTING ROBOT USING SENSOR FUSION                                                                                      |  |  |
| 114. | ITROB06 | HUMAN HAND GESTURE BASED ADVANCED ROBOTIC HAND CONTROL AND REPLICATION SYSTEM                                                                                           |  |  |
| 115. | ITROB07 | AGRO HARVEST AI: EDGE IMPULSE-BASED AUTONOMOUS CROP DETECTION, RIPENESS ANALYSIS, AND INTELLIGENT ROBOTIC HARVESTING SYSTEM FOR SMART PRECISION AGRICULTURE             |  |  |
| 116. | ITROB08 | ROAD SENSE AI ROVER EDGE IMPULSE BASED AUTONOMOUS POTHOLE DETECTION AND ROAD SURFACE MONITORING ROBOT FOR SMART INFRASTRUCTURE MAINTENANCE AND URBAN SAFETY ENHANCEMENT |  |  |



| S.N                 | P. CODE | PROJECT TITLE                                                                                                                                         | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
|---------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| 117.                | ITROB09 | HEALTH ROUTE AI AUTONOMOUS ROBOTICS SYSTEM FOR SECURE AND EFFICIENT MEDICINE DELIVERY ACROSS HOSPITAL DEPARTMENTS USING SMART NAVIGATION INTELLIGENCE | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 118.                | ITROB10 | SMART FOOD REDISTRIBUTION AND ASSISTANCE SYSTEM FOR HOMELESS COMMUNITIES                                                                              | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 119.                | ITROB11 | SMART EMERGENCY AMBULANCE WITH MECANUM WHEEL BASED TRAFFIC EVASION SYSTEM                                                                             | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| <b>RASPBERRY PI</b> |         |                                                                                                                                                       |                                 |                               |
| S.N                 | P. CODE | PROJECT TITLE                                                                                                                                         | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
| 120.                | ITRSP01 | VIT-FINDER: EDGE AI-ENABLED VISION TRANSFORMER FRAMEWORK FOR EARLY CROP LEAF DISEASE DETECTION AND ANALYSIS                                           | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 121.                | ITRSP02 | SMART ASSISTIVE COMMUNICATION PLATFORM FOR HEARING-IMPAIRED USERS USING RASPBERRY PI AND VISION AI                                                    | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 122.                | ITRSP03 | EDGE AI-BASED RETINAL DISEASE DETECTION SYSTEM USING RASPBERRY PI AND IMAGE ANALYSIS                                                                  | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 123.                | ITRSP04 | NEURO SCAN NET: DEEP CNN-BASED DETECTION OF AUTISM SPECTRUM DISORDER FROM NEUROIMAGING DATA                                                           | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 124.                | ITRSP05 | COMPUTER VISION-BASED FRUIT RIPENESS DETECTION AND AUTOMATED FRUIT HARVESTING SYSTEM FOR SMART AGRICULTURE                                            | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 125.                | ITRSP06 | AI-DRIVEN CROWD BEHAVIOR ANALYSIS SYSTEM FOR CHILD SAFETY DETECTION AND PROTECTION                                                                    | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 126.                | ITRSP07 | DEEP LEARNING-BASED INDIAN CURRENCY RECOGNITION AND CLASSIFICATION SYSTEM USING IMAGE PROCESSING TECHNIQUES                                           | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |



| S.N  | P. CODE | PROJECT TITLE                                                                                                 | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
|------|---------|---------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| 127. | ITRSP08 | AI AND IOT BASED SCHOOL BUS CHILD SAFETY MONITORING, ATTENDANCE TRACKING, AND DESTINATION VERIFICATION SYSTEM | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 128. | ITRSP09 | DEEP LEARNING-BASED BLOOD CELL CLASSIFICATION USING CONVOLUTIONAL NEURAL NETWORKS                             | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 129. | ITRSP10 | AUTOMATED ROAD RULE VIOLATION DETECTION SYSTEM WITH IMAGE EVIDENCE AND FINE NOTIFICATION                      | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |

# JAVA

## FINTECH

| S.N | P. CODE | PROJECT TITLE                                                                                                                            | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
|-----|---------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| 1.  | ITJFT01 | AN INTELLIGENT BANKING SURVEILLANCE SYSTEM FOR DETECTING FRAUDULENT TRANSACTIONS AND BEHAVIORAL ANOMALIES                                | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 2.  | ITJFT02 | A NATIONAL-SCALE AI-DRIVEN INTELLIGENT FRAUD MONITORING AND CITIZEN PROTECTION SYSTEM FOR REAL-TIME THREAT DETECTION AND RISK MITIGATION | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 3.  | ITJFT03 | THE SYSTEM RULE-BASED DETECTION WITH ANOMALY DETECTION AND A REAL-TIME RISK SCORING ENGINE TO IDENTIFY AND PREVENT THREATS DYNAMICALLY   | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |

**ZERO KNOWLEDGE**

| S.N | P. CODE | PROJECT TITLE                                                                                                                                 | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 4.  | ITJZK01 | ZKTRUSTDOCS ENGINE: A SECURE AND SCALABLE DOCUMENT VALIDATION SYSTEM USING ZK-SNARK-BASED PROOFS FOR ZERO-KNOWLEDGE DATA VERIFICATION         |                                 |                              |
| 5.  | ITJZK02 | ZERO-KNOWLEDGE REAL-TIME MECHANICAL ISSUE RESOLUTION ECOSYSTEM WITH COLLABORATIVE LEARNING AND ZK-SNARKS-BASED EXPERT VERIFICATION FRAMEWORK. |                                 |                              |

**DIGITAL TWIN**

| S.N | P. CODE  | PROJECT TITLE                                                                                                          | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|----------|------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 6.  | ITJDT01  | WEB-BASED SMART CITY DIGITAL TWIN SYSTEM WITH REAL-TIME 3D VISUALIZATION AND MONITORING.                               |                                 |                              |
| 7.  | ITJDT01H | EDGE-AI AND IOT INTEGRATED DIGITAL TWIN FRAMEWORK FOR SMART URBAN INFRASTRUCTURE MONITORING                            |                                 |                              |
| 8.  | ITJDT02  | SIMULATION-DRIVEN DIGITAL TWIN SYSTEM FOR ELECTRIC MOTOR AND LOAD MONITORING WITH REAL-TIME VISUALIZATION AND CONTROL. |                                 |                              |
| 9.  | ITJDT02H | REAL-TIME IOT-ENABLED DIGITAL TWIN FOR ELECTRIC MOTOR AND LOAD CONDITION MONITORING AND CONTROL                        |                                 |                              |
| 10. | ITJDT03  | DIGITAL TWIN SYSTEM FOR REAL-TIME MONITORING OF INDUCTIVE WIRELESS POWER TRANSFER WITH 3D VISUALIZATION.               |                                 |                              |

**NETWORKING**

| S.N | P. CODE | PROJECT TITLE                                                                                                                                                                  | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 11. | ITJNW01 | CRIMESPHERE AI: AN INTELLIGENT CRIME INTELLIGENCE MANAGEMENT, CRIMINAL RECORD ANALYSIS, SUSPECT PROFILING, AND INVESTIGATION DECISION SUPPORT SYSTEM FOR SMART LAW ENFORCEMENT |                                 |                              |



| S.N | P. CODE | PROJECT TITLE                                                                                                       | PROJECT OUTLINE<br>- CLICK HERE                                                     | PROJECT DEMO<br>- CLICK HERE                                                        |
|-----|---------|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 12. | ITJNW02 | ZERO-TRUST ADAPTIVE DECEPTION SYSTEM FOR CONTINUOUS NETWORK MONITORING, BEHAVIORAL ANALYSIS, AND THREAT CONTAINMENT |  |  |
| 13. | ITJNW03 | STAYSPHERE CORE: A SCALABLE PLATFORM FOR HOSTEL OPERATIONS AND STUDENT SERVICES MANAGEMENT                          |  |  |
| 14. | ITJNW04 | TESTNOVA NEXUS: AN INTELLIGENT EXAMINATION ECOSYSTEM WITH REAL-TIME ANALYTICS AND AI-GENERATED ADAPTIVE ASSESSMENTS |  |  |

## NETWORK SECURITY

| S.N | P. CODE | PROJECT TITLE                                                                                                                                          | PROJECT OUTLINE<br>- CLICK HERE                                                       | PROJECT DEMO<br>- CLICK HERE                                                          |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 15. | ITJNS01 | PRIVACY-PRESERVING GENERATIVE AI WEB PLATFORM FOR AUTOMATED ARCHITECTURAL DESIGN AND SECURE MULTI-PARTY COLLABORATIVE CONSTRUCTION PROJECT MANAGEMENT. |  |  |
| 16. | ITJNS02 | ANONYMIZED: ADVANCED PRIVACY-CENTRIC DATA SECURITY SYSTEM USING ENCRYPTION AND IDENTITY ANONYMIZATION METHODS                                          |  |  |
| 17. | ITJNS03 | A CENTRALIZED TRUST-ENABLED PLATFORM FOR ORPHANAGE AID COORDINATION, WELFARE GOVERNANCE, AND RESOURCE OPTIMIZATION                                     |  |  |
| 18. | ITJNS04 | HERITAGEVAULT NEXUS: A SECURE ENCRYPTED DIGITAL WILL AND CONFIDENTIAL ASSET TRANSFER PLATFORM                                                          |  |  |

## BLOCKCHAIN

| S.N | P. CODE | PROJECT TITLE                                                                                                         | PROJECT OUTLINE<br>- CLICK HERE                                                       | PROJECT DEMO<br>- CLICK HERE                                                          |
|-----|---------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 19. | ITJBC01 | AGROQUANTUM LEDGER: A SECURE AND INTELLIGENT AGRICULTURE SUPPLY CHAIN USING BLOCKCHAIN AND POST-QUANTUM CRYPTOGRAPHY. |  |  |



| S.N | P. CODE | PROJECT TITLE                                                                                                                                                       | PROJECT OUTLINE<br>- CLICK HERE                                                       | PROJECT DEMO<br>- CLICK HERE                                                          |
|-----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 20. | ITJBC02 | SMART OFFLINE VACCINATION MANAGEMENT SYSTEM WITH REDIS-ENABLED REAL-TIME SYNC AND ETHEREUM BLOCKCHAIN-BASED SECURE VERIFICATION.                                    |    |    |
| 21. | ITJBC03 | A DECENTRALIZED AND SECURE HERBAL SUPPLY CHAIN MANAGEMENT PLATFORM USING BLOCKCHAIN TECHNOLOGY WITH SMART CONTRACTS AND REAL-TIME DATA VERIFICATION.                |    |    |
| 22. | ITJBC04 | A BLOCKCHAIN-DRIVEN DECENTRALIZED FRAMEWORK FOR SECURE, TRANSPARENT, AND AUTOMATED RENTAL AGREEMENT MANAGEMENT                                                      |    |    |
| 23. | ITJBC05 | A PRIVACY-PRESERVING DECENTRALIZED KYC FRAMEWORK LEVERAGING BLOCKCHAIN FOR SECURE AND SCALABLE IDENTITY VERIFICATION                                                |    |    |
| 24. | ITJBC06 | ADVANCED CARBON INSIGHT AND MANAGEMENT SYSTEM FOR EMISSION QUANTIFICATION, POLICY COMPLIANCE, AND DIGITAL CARBON CREDIT MARKETPLACE                                 |   |   |
| 25. | ITJBC07 | AN ENTERPRISE-GRADE DECENTRALIZED EVIDENCE MANAGEMENT SYSTEM USING BLOCKCHAIN FOR SECURE EVIDENCE HANDLING, INTEGRITY VERIFICATION, AND CHAIN OF CUSTODY AUTOMATION |  |  |
| 26. | ITJBC08 | TRUSTFLOW ELECTORAL LEDGER: A DECENTRALIZED E-GOVERNANCE VOTING FLOW FRAMEWORK WITH TAMPER-PROOF RECORD STREAMS AND SECURE VALIDATION PIPELINES                     |  |  |
| 27. | ITJBC09 | REDCIRCUIT RESPONSE GRID: A NEXT-GENERATION EMERGENCY BLOOD DONATION ECOSYSTEM FOR REAL-TIME COORDINATION, SMART ALLOCATION, AND MEDICAL NETWORK SYNCHRONIZATION    |  |  |
| 28. | ITJBC10 | TRACKSPHERE QR ENGINE: A DIGITAL SUPPLY CHAIN INTELLIGENCE PLATFORM LEVERAGING QR CODE TECHNOLOGY FOR SECURE PRODUCT TRACKING AND VALIDATION                        |  |  |

**CLOUD [AWS]**

| S.N | P. CODE  | PROJECT TITLE                                                                                                                                 | PROJECT OUTLINE<br>- CLICK HERE                                                       | PROJECT DEMO<br>- CLICK HERE                                                          |
|-----|----------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 29. | ITJAS01  | ECOCORTEX PLATFORM: A SMART CIVIC PLATFORM FOR PLASTIC WASTE RECOVERY, LIFECYCLE TRACKING, AND INCENTIVE-BASED ENVIRONMENTAL TRANSFORMATION.  |    |    |
| 30. | ITJAS02  | NUTRIPULSE: A SCALABLE AI-INTEGRATED ECOSYSTEM FOR NUTRITIONAL INTELLIGENCE, PREDICTIVE WELLNESS MODELING, AND HEALTHY DINING PERSONALIZATION |    |    |
| 31. | ITJAS02H | NUTRIPULSE: AN IOT-INTEGRATED SMART ECOSYSTEM FOR NUTRITION MONITORING AND HEALTHY LIFESTYLE MANAGEMENT                                       |    |    |
| 32. | ITJAS03  | RELIEFSYNC: A CONTEXT-AWARE INTELLIGENT SYSTEM FOR DISASTER MANAGEMENT, RESOURCE ALLOCATION, AND REAL-TIME CRISIS INTELLIGENCE                |    |    |
| 33. | ITJAS04  | WEB-BASED HARD DISK USAGE ANALYSIS AND DISTRIBUTED FREE SPACE MONITORING SYSTEM WITH CLOUD INTEGRATION                                        |  |  |
| 34. | ITJAS05  | HEALTHPULSE NEXUS: AN INTELLIGENT SYSTEM HEALTH MONITORING, PREDICTIVE ANALYTICS, AND AUTOMATED ALERTING ECOSYSTEM                            |  |  |

**JAVA WITH IOT**

| S.N | P. CODE | PROJECT TITLE                                                                                               | PROJECT OUTLINE<br>- CLICK HERE                                                       | PROJECT DEMO<br>- CLICK HERE                                                          |
|-----|---------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 35. | ITJHW01 | MEDIPULSE: AN IOT-ENABLED INTELLIGENT HEALTHCARE MONITORING, EMERGENCY ALERT AND PATIENT ANALYTICS PLATFORM |  |  |
| 36. | ITJHW02 | REALTIME SMART HIGHWAY TOLL MONITORING AND AUTONOMOUS VEHICLE PAYMENT PROCESSING PLATFORM                   |  |  |
| 37. | ITJHW03 | PALLETVISION: REAL-TIME RFID-ENABLED PALLET MONITORING AND LOGISTICS MANAGEMENT PLATFORM                    |  |  |
| 38. | ITJHW04 | AQUARESCUE GRID: INTELLIGENT EMERGENCY HEALTHCARE CAPACITY & PATIENT ALLOCATION SYSTEM                      |  |  |



# ANDROID

## ANDROID

| S.N | P. CODE  | PROJECT TITLE                                                                                                                                                          | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
|-----|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| 39. | ITJAN01  | ADVANCED INTERIOR DESIGN PLATFORM LEVERAGING COMPUTER VISION FOR ROOM ANALYSIS AND AUGMENTED REALITY FOR INTERACTIVE SPATIAL VISUALIZATION.                            | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 40. | ITJAN02  | BUILDSMART GENAI: A MOBILE-BASED INTELLIGENT CONSTRUCTION PLATFORM FOR DESIGN GENERATION, MATERIAL OPTIMIZATION, AND WORKFORCE MANAGEMENT USING GENERATIVE AI          | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 41. | ITJAN03  | AN INTEGRATED EV ECOSYSTEM PLATFORM FOR REAL-TIME EV SERVICE DISCOVERY, SKILL-BASED TECHNICIAN MATCHING, AND INTELLIGENT SERVICE MANAGEMENT SYSTEM.                    | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 42. | ITJAN04  | NEUROEDGE AI: A FLUTTER-BASED ON-DEVICE FEDERATED LEARNING PLATFORM FOR AUTISM DIAGNOSIS AND COGNITIVE BEHAVIORAL THERAPY                                              | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 43. | ITJAN05  | THIS SYSTEM INTEGRATES BIOMEDICAL LEARNING WITH A KIDNEY TO SIMULATE PATIENT HEALTH, PREDICT RISKS, AND IMPROVE BOTH DEVICE HANDLING AND CLINICAL UNDERSTANDING.       | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 44. | ITJAN05H | RENALGUARD AI: AN INTELLIGENT IOT-BASED KIDNEY PATIENT MONITORING AND PREDICTIVE DECISION SUPPORT SYSTEM                                                               | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 45. | ITJAN06  | INTELLIGENT LOGISTICS MANAGEMENT SYSTEM FOR OPTIMIZED TRANSPORT SERVICE OPERATIONS AND REAL-TIME TRACKING.                                                             | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 46. | ITJAN06H | DESIGN AND IMPLEMENTATION OF AN INTELLIGENT IOT HARDWARE FRAMEWORK FOR SMART LOGISTICS MANAGEMENT                                                                      | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 47. | ITJAN07  | AN INTELLIGENT QR-CENTRIC MOBILE RETAIL NAVIGATION AND CONTEXT-AWARE PRODUCT DISCOVERY SYSTEM FOR ENHANCING CUSTOMER EXPERIENCE IN MULTI-LEVEL TEXTILE COMMERCE SPACES | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |



| S.N | P. CODE  | PROJECT TITLE                                                                                                                                                                        | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
|-----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| 48. | ITJAN08  | SHIELDNET: A TRUST-CENTRIC VOICE INTELLIGENCE ECOSYSTEM FOR WOMEN SAFETY, EMERGENCY ALERTS, AND INCIDENT RESPONSE OPTIMIZATION                                                       | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 49. | ITJAN08H | SHIELDNET: AN IOT-INTEGRATED VOICE RECOGNITION AND INCIDENT RESPONSE ECOSYSTEM FOR WOMEN PROTECTION                                                                                  | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 50. | ITJAN09  | ECHODINE: AN AI-INTEGRATED MULTIMODAL FRAMEWORK FOR VOICE-ENABLED DINING INTERACTION AND ADAPTIVE INDOOR WAYFINDING ASSISTANCE                                                       | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 51. | ITJAN10  | WANDERVISION: AN AI-POWERED SMART TOURISM COMPANION WITH IMAGE-BASED DESTINATION RECOGNITION AND INTEGRATED TRAVEL SERVICES                                                          | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 52. | ITJAN11  | TRANSITRONIX: A NEXT-GENERATION INTELLIGENT TRANSPORTATION MANAGEMENT SYSTEM FOR CAMPUS MOBILITY, REAL-TIME SEAT UTILIZATION ANALYTICS, AND SECURE QR-BASED PASSENGER AUTHENTICATION | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 53. | ITJAN11H | TRANSITSYNC: SMART STUDENT MOBILITY AND FLEET MANAGEMENT PLATFORM WITH GPS TRACKING, QR ATTENDANCE, AND IOT-DRIVEN EMERGENCY SAFETY                                                  | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 54. | ITJAN12  | MEDICONNECT: AN INTEGRATED TELEMEDICINE PLATFORM WITH VIDEO CONSULTATION SYSTEM                                                                                                      | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 55. | ITJAN12H | MEDICONNECT: AN IOT-INTEGRATED REMOTE HEALTHCARE AND VIDEO CONSULTATION MANAGEMENT SYSTEM                                                                                            | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 56. | ITJAN13  | AN ADVANCED EXPENSE MANAGEMENT AND FINANCIAL WELLNESS PLATFORM LEVERAGING ARTIFICIAL INTELLIGENCE FOR SPENDING BEHAVIOR ANALYSIS AND BUDGET CONTROL                                  | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 57. | ITJAN14  | PROGRESSIQ: ADVANCED ACADEMIC PROGRESS TRACKING, EVALUATION, AND PERFORMANCE ANALYTICS PLATFORM                                                                                      | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 58. | ITJAN15  | HELPGRID: DESIGN AND IMPLEMENTATION OF A REAL-TIME ASSISTANCE AND VOLUNTEER COORDINATION PLATFORM WITH LOCATION-BASED TRACKING                                                       | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |



| S.N | P. CODE | PROJECT TITLE                                                                                                                                                                                       | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 59. | ITJAN16 | AN INTELLIGENT DIGITAL LEGACY AND POSTHUMOUS DATA MANAGEMENT PLATFORM FOR SECURE ASSET PRESERVATION, BENEFICIARY ACCESS CONTROL, AUTOMATED INHERITANCE EXECUTION, AND DIGITAL ESTATE ADMINISTRATION |                                 |                              |
| 60. | ITJAN17 | SPORTELTE ASCEND: A NEXT-GENERATION ATHLETE DISCOVERY, DEVELOPMENT, AND RECRUITMENT INTELLIGENCE SYSTEM                                                                                             |                                 |                              |
| 61. | ITJAN18 | RATIONSYNC GRID: AN INTELLIGENT PUBLIC DISTRIBUTION ECOSYSTEM FOR SCHEDULED PICKUP, DYNAMIC TIME SLOT ALLOCATION, AND EFFICIENT BENEFICIARY SERVICE MANAGEMENT                                      |                                 |                              |
| 62. | ITJAN19 | DATADROP CIPHERVAULT: ADVANCED PRIVACY PRESERVATION AND ACCESS GOVERNANCE PLATFORM                                                                                                                  |                                 |                              |
| 63. | ITJAN20 | ERRORLOG PRO: AN AI-DRIVEN INTELLIGENT PERSONAL MISTAKE TRACKING AND CONTINUOUS IMPROVEMENT SYSTEM WITH PREDICTIVE ANALYTICS, BEHAVIORAL INSIGHTS, AND ADAPTIVE LEARNING OPTIMIZATION.              |                                 |                              |

## ANDROID WITH DIGITAL TWIN

| S.N | P. CODE  | PROJECT TITLE                                                                                                                                                                       | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 64. | ITJAD01  | AI-ENHANCED SMART CIVIL ENGINEERING SERVICE PLATFORM FOR INTELLIGENT BUILDING PLANNING, STRUCTURAL ANALYSIS, AND REAL-TIME CONSTRUCTION MONITORING WITH AUTOMATED DECISION SUPPORT. |                                 |                              |
| 65. | ITJAD01H | AI-DRIVEN SMART CIVIL ENGINEERING SERVICE PLATFORM FOR INTELLIGENT BUILDING PLANNING AND REAL-TIME CONSTRUCTION MONITORING                                                          |                                 |                              |
| 66. | ITJAD02  | AUTOTWIN EDGE: DIGITAL TWIN-BASED SMART VEHICLE LIFECYCLE MANAGEMENT WITH EDGE AI-DRIVEN PREDICTIVE MAINTENANCE.                                                                    |                                 |                              |

**ANDROID WITH DEEPLARNING**

| S.N | P. CODE   | PROJECT TITLE                                                                                                                              | PROJECT OUTLINE<br>- CLICK HERE                                                     | PROJECT DEMO<br>- CLICK HERE                                                        |
|-----|-----------|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 67. | ITJADL01  | AI-EYES: A DEEP LEARNING-ENABLED ASSISTIVE SYSTEM FOR REAL-TIME MEDICINE IDENTIFICATION AND CURRENCY RECOGNITION FOR THE VISUALLY IMPAIRED |  |  |
| 68. | ITJADL02  | INTELLIGENT CRIMINAL VERIFICATION USING FACIAL RECOGNITION AND AUTOMATED LAW ENFORCEMENT RECORD ANALYSIS                                   |  |  |
| 69. | ITJADL03  | AGROFUSION CORE: A SMART FARMING PLATFORM FOR CROP DISEASE DETECTION AND REAL-TIME ENVIRONMENTAL ANALYSIS                                  |  |  |
| 70. | ITJADL03H | AGRISENSE AI: INTELLIGENT CROP HEALTH MONITORING, IOT-BASED SMART FIELD ANALYTICS, AND DIGITAL AGRICULTURAL MARKETPLACE PLATFORM           |  |  |

**ANDROID WITH BLOCKCHAIN**

| S.N | P. CODE  | PROJECT TITLE                                                                                                                                          | PROJECT OUTLINE<br>- CLICK HERE                                                       | PROJECT DEMO<br>- CLICK HERE                                                          |
|-----|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 71. | ITJAB01  | A DECENTRALIZED SYSTEM WHERE USERS DIRECTLY TRADE ELECTRICITY USING SMART CONTRACTS AND INTELLIGENT AGENTS WITHOUT RELYING ON A CENTRAL AUTHORITY.     |  |  |
| 72. | ITJAB01H | SMART ENERGY MANAGEMENT AND P2P ELECTRICITY TRADING USING IOT-BASED BATTERY STORAGE AND CLOUD ANALYTICS                                                |  |  |
| 73. | ITJAB02  | DESIGN OF A SECURE AND PRIVACY-PRESERVING AGRICULTURAL SUBSIDY SYSTEM USING BLOCKCHAIN AND ZK-SNARKS.                                                  |  |  |
| 74. | ITJAB03  | DESIGN AND IMPLEMENTATION OF A SECURE DATA TRADING PLATFORM WITH END-TO-END ENCRYPTION, FINE-GRAINED ACCESS CONTROL, AND COMPREHENSIVE USAGE ANALYTICS |  |  |



| S.N | P. CODE | PROJECT TITLE                                                                                                                                       | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 75. | ITJAB04 | A SMART CONTRACT-ENABLED BLOCKCHAIN FRAMEWORK FOR INTELLIGENT GOVERNMENT TENDER MANAGEMENT AND TRANSPARENT PUBLIC AUDIT GOVERNANCE                  |                                 |                              |
| 76. | ITJAB05 | A DECENTRALIZED PRIVACY-PRESERVING BLOCKCHAIN ECOSYSTEM FOR SECURE AND ANONYMOUS STUDENT GRIEVANCE REDRESSAL WITH TRANSPARENT RESOLUTION GOVERNANCE |                                 |                              |
| 77. | ITJAB06 | A COGNITIVE FINTECH PLATFORM INTEGRATING BLOCKCHAIN AND AI FOR SMART LOAN APPROVAL AND REPAYMENT OPTIMIZATION                                       |                                 |                              |

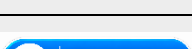
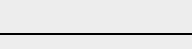
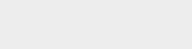
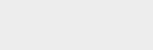
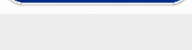
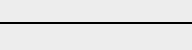
### ANDROID WITH IOT

| S.N | P. CODE | PROJECT TITLE                                                                                                                                                                           | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 78. | ITJAH01 | AN INTELLIGENT IOT-BASED HUMAN-POWERED CYCLING ENERGY HARVESTING AND DECENTRALIZED CREDIT MANAGEMENT SYSTEM WITH REAL-TIME ANALYTICS AND AUTOMATED INCENTIVE OPTIMIZATION               |                                 |                              |
| 79. | ITJAH02 | NEXT-GENERATION SMART PHARMACY MANAGEMENT SYSTEM USING IOT, FIREBASE FOR REAL-TIME DRUG MONITORING, AUTOMATED INVENTORY OPTIMIZATION, AND SECURE CLOUD-BASED HEALTHCARE DATA MANAGEMENT |                                 |                              |
| 80. | ITJAH03 | INTELLIGENT ROOM-LEVEL ENERGY METERING AND AUTOMATED COST ATTRIBUTION SYSTEM FOR SHARED RESIDENTIAL INFRASTRUCTURE                                                                      |                                 |                              |
| 81. | ITJAH04 | INTELLIGENT FEDERATED PARKING ECOSYSTEM WITH REAL-TIME RESERVATION, DIGITAL VERIFICATION, SENSOR-BASED OCCUPANCY MONITORING, AND ACCESS CONTROL                                         |                                 |                              |
| 82. | ITJAH05 | LUNGSHIELD: AI-ENABLED COPD MONITORING, RISK PREDICTION AND EMERGENCY HEALTHCARE ANALYTICS SYSTEM                                                                                       |                                 |                              |



# PYTHON

## MACHINE LEARNING

| S.N | P. CODE  | PROJECT TITLE                                                                                                           | PROJECT OUTLINE<br>- CLICK HERE                                                       | PROJECT DEMO<br>- CLICK HERE                                                          |
|-----|----------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1.  | ITPML01  | AN INTELLIGENT FRAMEWORK FOR LOAN ELIGIBILITY PREDICTION AND APPROVAL USING MACHINE LEARNING                            |    |    |
| 2.  | ITPML02  | CAREERPATH AI: AI-POWERED PERSONALIZED CAREER NAVIGATION AND PLACEMENT PREDICTION FRAMEWORK                             |    |    |
| 3.  | ITPML03  | NUTRITIONPLUS: AI-BASED PERSONALIZED NUTRITION, DIET, AND FITNESS RECOMMENDATION SYSTEM                                 |    |    |
| 4.  | ITPML03H | NUTRITIONPLUS: AI-BASED PERSONALIZED NUTRITION, DIET, AND FITNESS RECOMMENDATION SYSTEM WITH IOT                        |    |    |
| 5.  | ITPML04  | JOB AI: PREDICTING FUTURE JOB RISKS USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING                                  |  |  |
| 6.  | ITPML05  | CRICKETPREDICT AI: INTELLIGENT CRICKET TOURNAMENT REGISTRATION AND PLAYER PERFORMANCE PREDICTION USING MACHINE LEARNING |  |  |
| 7.  | ITPML06  | STEROIDAI: INTELLIGENT SYSTEM FOR STEROID DOSAGE OPTIMIZATION AND HEALTH RISK PREDICTION IN FITNESS TRAINING            |  |  |
| 8.  | ITPML06H | STEROIDAI: IOT ENABLED STEROID DOSAGE OPTIMIZATION AND HEALTH RISK PREDICTION IN FITNESS TRAINING                       |  |  |
| 9.  | ITPML07  | INFECTSHIELD AI: AN INTELLIGENT HOSPITAL INFECTION SPREAD RISK PREDICTION AND MANAGEMENT SYSTEM USING MACHINE LEARNING  |  |  |



| S.N | P. CODE  | PROJECT TITLE                                                                                                                  | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|----------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 10. | ITPML07H | INFECTSHIELD AI: AN INTELLIGENT HOSPITAL INFECTION SPREAD RISK PREDICTION AND MANAGEMENT SYSTEM USING MACHINE LEARNING AND IOT |                                 |                              |
| 11. | ITPML08  | A HYBRID MACHINE LEARNING AND DEEP LEARNING FRAMEWORK FOR PCOS AND PCOD PREDICTION AND DETECTION                               |                                 |                              |
| 12. | ITPML09  | SMARTVITA: AI-BASED VITAMIN DEFICIENCY DISEASE PREDICTION SYSTEM USING MACHINE LEARNING                                        |                                 |                              |
| 13. | ITPML09H | SMARTVITA: AI-BASED VITAMIN DEFICIENCY DISEASE PREDICTION SYSTEM USING MACHINE LEARNING AND IOT                                |                                 |                              |
| 14. | ITPML10  | SMART RETAIL INSIGHTS: AI-DRIVEN STORE SALES FORECASTING AND DEMAND PLANNING FOR SMART RETAIL MANAGEMENT                       |                                 |                              |
| 15. | ITPML11  | SMARTTENDER AI: MACHINE LEARNING-BASED TENDER MANAGEMENT AND DECISION SUPPORT SYSTEM                                           |                                 |                              |
| 16. | ITPML12  | MACHINE LEARNING-BASED CREDIT CARD FRAUD DETECTION WITH ENHANCED DATA PROTECTION                                               |                                 |                              |
| 17. | ITPML13  | SMARTMOM: AI-BASED POSTPARTUM WEIGHT LOSS AND FITNESS RECOMMENDATION SYSTEM                                                    |                                 |                              |
| 18. | ITPML13H | SMARTMOM: AI-BASED POSTPARTUM WEIGHT LOSS AND FITNESS RECOMMENDATION SYSTEM USING MACHINE LEARNING AND IOT                     |                                 |                              |
| 19. | ITPML14  | INTELLIGENT WIRELESS NETWORK PROTECTION THROUGH PREDICTIVE MAINTENANCE AND CYBERATTACK ANALYTICS                               |                                 |                              |
| 20. | ITPLML15 | COMMUNIVOX: AN INTELLIGENT AI-POWERED STUDENT COMMUNICATION AND RESPONSE EVALUATION PLATFORM                                   |                                 |                              |



| S.N | P. CODE  | PROJECT TITLE                                                                                                          | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|----------|------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 21. | ITPML16  | HAIRFUSION-NET: AN EXPLAINABLE MACHINE LEARNING AND DEEP LEARNING FRAMEWORK FOR HAIR FALL AND SCALP DISEASE PREDICTION |                                 |                              |
| 22. | ITPML16H | HAIRFUSION-NET: IOT ENABLED MACHINE LEARNING AND DEEP LEARNING FRAMEWORK FOR HAIR FALL AND SCALP DISEASE PREDICTION    |                                 |                              |
| 23. | ITPML17  | SMARTUPIFRAUDDetect: AN ML-BASED FRAMEWORK FOR ANOMALY DETECTION AND FRAUD PREVENTION IN UPI PAYMENT SYSTEMS           |                                 |                              |
| 24. | ITPML18  | AGROSHIELD AI: INTELLIGENT PEST INFESTATION PREDICTION AND CROP RISK ANALYSIS SYSTEM                                   |                                 |                              |
| 25. | ITPML18H | AGROSHIELD AI: IOT ENABLED PEST INFESTATION PREDICTION AND CROP RISK ANALYSIS SYSTEM                                   |                                 |                              |
| 26. | ITPML19  | AI-POWERED ANESTHESIA REQUIREMENT CLASSIFICATION USING ENSEMBLE MACHINE LEARNING TECHNIQUES                            |                                 |                              |
| 27. | ITPML19H | AI-POWERED ANESTHESIA REQUIREMENT CLASSIFICATION USING ENSEMBLE MACHINE LEARNING TECHNIQUES AND IOT                    |                                 |                              |
| 28. | ITPML20  | ELECTROHEALTH AI: BATTERY CONDITION MONITORING AND ANALYSIS SYSTEM                                                     |                                 |                              |
| 29. | ITPML20H | ELECTROHEALTH AI: IOT ENABLED BATTERY CONDITION MONITORING AND ANALYSIS SYSTEM                                         |                                 |                              |
| 30. | ITPML21  | BIOHERIT AI: SMART INHERITED CANCER RISK MONITORING SYSTEM                                                             |                                 |                              |
| 31. | ITPML22  | RHIZOSYNC AI: PREDICTIVE ROOT COMPETITION AND WATER CONFLICT ANALYSIS SYSTEM FOR SMART AGRICULTURE                     |                                 |                              |
| 32. | ITPML22H | RHIZOSYNC AI: PREDICTIVE ROOT COMPETITION AND WATER CONFLICT ANALYSIS SYSTEM FOR SMART AGRICULTURE USING IOT           |                                 |                              |
| 33. | ITPML23  | SMART TRANSFORMER HEALTH MONITORING AND FAILURE PREDICTION USING MACHINE LEARNING                                      |                                 |                              |



| S.N | P. CODE  | PROJECT TITLE                                                                                                                                                                                      | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
|-----|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| 34. | ITPML23H | SMART TRANSFORMER HEALTH MONITORING AND FAILURE PREDICTION USING MACHINE LEARNING AND IOT                                                                                                          | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 35. | ITPML24  | AGROWIND BARRIER: AN AUTOMATED WIND PROTECTION AND SMART CROP SHIELDING SYSTEM FOR AGRICULTURAL FARMS                                                                                              | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 36. | ITPML24H | AGROWIND BARRIER: AN IOT ENABNEUROSYNC AI: INTELLIGENT STRESS PREDICTION USING HEART AND BRAIN SIGNAL ANALYSISLED AUTOMATED WIND PROTECTION AND SMART CROP SHIELDING SYSTEM FOR AGRICULTURAL FARMS | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 37. | ITPML25  | NEUROSYNC AI: INTELLIGENT STRESS PREDICTION USING HEART AND BRAIN SIGNAL ANALYSIS                                                                                                                  | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 38. | ITPML25H | NEUROSYNC AI: AI DRIVEN AND IOT ENABLED STRESS PREDICTION USING HEART AND BRAIN SIGNAL ANALYSIS                                                                                                    | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 39. | ITPML26  | SEEDGENIUS AI: AN INTELLIGENT SEED QUALITY VERIFICATION AND DEFECT DETECTION SYSTEM USING COMPUTER VISION AND SPECTRAL ANALYSIS                                                                    | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 40. | ITPML26H | SEEDGENIUS AI: AN IOT ENABLED SEED QUALITY VERIFICATION AND DEFECT DETECTION SYSTEM USING COMPUTER VISION AND SPECTRAL ANALYSIS                                                                    | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 41. | ITPML27  | SOLARTOWER AI: AI-BASED SOLAR ENERGY MANAGEMENT FOR TELECOM TOWERS                                                                                                                                 | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 42. | ITPML27H | SOLARTOWER AI: AI-BASED SOLAR ENERGY MANAGEMENT FOR TELECOM TOWERS USING IOT                                                                                                                       | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 43. | ITPML28  | FOREIGN EXCHANGE PREDICTION USING MACHINE LEARNING                                                                                                                                                 | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 44. | ITPML29  | SCHOLARAI: AN INTELLIGENT SCHOLARSHIP ELIGIBILITY MANAGEMENT AND PREDICTION SYSTEM USING MACHINE LEARNING                                                                                          | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |



| S.N | P. CODE | PROJECT TITLE                                                                                            | PROJECT OUTLINE<br>- CLICK HERE                                                     | PROJECT DEMO<br>- CLICK HERE                                                        |
|-----|---------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 45. | ITPML30 | MATHMIND AI: EARLY DYSCALCULIA IDENTIFICATION USING MULTILINGUAL MACHINE LEARNING TECHNIQUES             |  |  |
| 46. | ITPML31 | INFRACOST: AI-BASED HOUSE CONSTRUCTION COST ESTIMATION AND MATERIAL WASTE MANAGEMENT SYSTEM USING PYTHON |  |  |

## DEEP LEARNING

| S.N | P. CODE | PROJECT TITLE                                                                                                                            | PROJECT OUTLINE<br>- CLICK HERE                                                       | PROJECT DEMO<br>- CLICK HERE                                                          |
|-----|---------|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 47. | ITPDL01 | AI FRAMEWORK FOR PNEUMONIA DETECTION USING CHEST X-RAY IMAGES                                                                            |    |    |
| 48. | ITPDL02 | DENTAVISION AI: AN INTELLIGENT DEEP LEARNING FRAMEWORK FOR AUTOMATED DENTAL DISEASE DETECTION AND CLINICAL DECISION SUPPORT              |    |    |
| 49. | ITPDL03 | MEDFUSION-OP: AN EXPLAINABLE HYBRID MACHINE LEARNING AND DEEP LEARNING FRAMEWORK FOR OSTEOPOROSIS PREDICTION AND SEVERITY CLASSIFICATION |  |  |
| 50. | ITPDL04 | A MULTI-MODEL DEEP LEARNING APPROACH FOR AUTOMATED BRAIN STROKE DIAGNOSIS AND CLASSIFICATION                                             |  |  |
| 51. | ITPDL05 | NEUROSPECTRUM AI: AN INTELLIGENT DEEP LEARNING FRAMEWORK FOR EARLY AUTISM SPECTRUM DISORDER DETECTION USING BRAIN MRI ANALYSIS           |  |  |
| 52. | ITPDL06 | RETINAVISION AI: A HYBRID MACHINE LEARNING AND DEEP LEARNING FRAMEWORK FOR RETINAL DISEASE CLASSIFICATION                                |  |  |
| 53. | ITPDL07 | DENTASCOPE AI: ADVANCED ORAL ABNORMALITY DETECTION USING VISION TRANSFORMERS AND CNN                                                     |  |  |



| S.N | P. CODE | PROJECT TITLE                                                                                                                  | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|---------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 54. | ITPDL08 | NEUROFUSION AI: A HYBRID INTELLIGENCE PLATFORM FOR EARLY DETECTION AND CLASSIFICATION OF ALZHEIMER'S AND PARKINSON'S DISORDERS |                                 |                              |
| 55. | ITPDL09 | INTELLICOLONOSCOPY: DEEP LEARNING-BASED DIGESTIVE DISEASE DETECTION                                                            |                                 |                              |
| 56. | ITPDL10 | CORALGUARD AI: A DEEP LEARNING-BASED CORAL HEALTH CLASSIFICATION AND REEF MONITORING SYSTEM                                    |                                 |                              |
| 57. | ITPDL11 | DERMAVISION AI: AN INTELLIGENT DEEP LEARNING FRAMEWORK FOR AUTOMATED SKIN DISEASE DETECTION AND CLINICAL CLASSIFICATION        |                                 |                              |

### NATURAL LANGUAGE PROCESSING

| S.N | P. CODE | PROJECT TITLE                                                                                                                   | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|---------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 58. | ITPNP01 | PHISHSHIELD AI: AN INTELLIGENT NLP AND DEEP LEARNING FRAMEWORK FOR REAL-TIME PHISHING URL DETECTION AND CYBER THREAT PREVENTION |                                 |                              |
| 59. | ITPNP02 | HIRESHIELD AI: AN INTELLIGENT NLP FRAMEWORK FOR JOB DESCRIPTION AUTHENTICITY VERIFICATION AND RECRUITMENT FRAUD DETECTION       |                                 |                              |
| 60. | ITPNP03 | REVIEWSHIELD: DETECTING DECEPTIVE REVIEWS AND EMOITION ON AMAZON WITH NLP                                                       |                                 |                              |

### OPENCOMPUTERVISION [OPENCV]

| S.N | P. CODE | PROJECT TITLE                                                                                    | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|---------|--------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 61. | ITPCV01 | SECUREVISION AI: INTELLIGENT WEAPON DETECTION AND THREAT MONITORING SYSTEM USING COMPUTER VISION |                                 |                              |



| S.N | P. CODE | PROJECT TITLE                                                                                                                                              | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 62. | ITPCV02 | TRAFFIGUARD AI: AN INTELLIGENT TRAFFIC MANAGEMENT, ACCIDENT RISK PREDICTION, AND EMERGENCY VEHICLE PRIORITY SYSTEM USING COMPUTER VISION AND DEEP LEARNING |                                 |                              |
| 63. | ITPCV03 | SAFESIGHT AI: AN INTELLIGENT YOLOV8-BASED CHILD DETECTION, TRACKING, AND CROWD SAFETY ANALYTICS SYSTEM                                                     |                                 |                              |
| 64. | ITPCV04 | SMART VISION FOR SAFER ROADS: LEVERAGING YOLOV8 FOR ACCURATE AND FAST PATHOLE DETECTION                                                                    |                                 |                              |
| 65. | ITPCV05 | VISION-ASSISTED VOICE-BASED SMART BILLING SYSTEM FOR VISUALLY IMPAIRED RETAIL OPERATORS USING AI AND COMPUTER VISION                                       |                                 |                              |
| 66. | ITPCV06 | VISIONGUARD AI: INTELLIGENT MISSING PERSON AND CRIMINAL DETECTION SYSTEM USING OPENCV                                                                      |                                 |                              |

### AUDIO CLASSIFICATION

| S.N | P. CODE | PROJECT TITLE                                                                                          | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|---------|--------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 67. | ITPAU01 | LUNGSENSE GUARDIAN PRO: AI-POWERED RESPIRATORY SOUND ANALYTICS AND CLINICAL DECISION SUPPORT FRAMEWORK |                                 |                              |
| 68. | ITPAU02 | CARDIOGUARDIAN PRO: AI-POWERED CARDIAC SOUND ANALYTICS AND EARLY RISK PREDICTION FRAMEWORK             |                                 |                              |
| 69. | ITPAU03 | EMOTIVOICE GUARDIAN: AI-POWERED SPEECH EMOTION INTELLIGENCE AND BEHAVIORAL ANALYTICS FRAMEWORK         |                                 |                              |

### SEGMENTATION DEEPLARNING

| S.N | P. CODE | PROJECT TITLE                                                                                     | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|---------|---------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 70. | ITPSG01 | MEDISCAN AI: DEEP LEARNING BASED SYSTEM FOR AUTOMATED BRAIN TUMOR SEGMENTATION AND CLASSIFICATION |                                 |                              |



| S.N | P. CODE | PROJECT TITLE                                                                                                                | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
|-----|---------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| 71. | ITPSG02 | OCULARSCAN AI: DEEP LEARNING BASED AUTOMATED SEGMENTATION OF RETINAL STRUCTURES FROM FUNDUS IMAGES                           | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 72. | ITPSG03 | MAMMOCARE SYSTEM: DEEP LEARNING BASED BREAST CANCER DETECTION, CLASSIFICATION, AND TUMOR SEGMENTATION USING MEDICAL IMAGING. | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |

### RETRIEVAL AUGMENTED GENERATION

| S.N | P. CODE | PROJECT TITLE                                                                                                                       | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| 73. | ITPRG01 | CAMPUSASSIST: AN AI-DRIVEN COLLEGE INFORMATION, ACADEMIC REGULATION, AND SCHOLARSHIP ADVISORY SYSTEM USING RAG                      | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 74. | ITPRG02 | MEDIEXPLAIN: A RAG-BASED PERSONALIZED MEDICAL REPORT INTERPRETATION AND PATIENT EDUCATION SYSTEM                                    | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 75. | ITPRG03 | CRICKETIQ RAG: AN INTELLIGENT CRICKET KNOWLEDGE AND PLAYER ANALYTICS CHATBOT USING RETRIEVAL-AUGMENTED GENERATION                   | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 76. | ITPRG04 | RESUMEMIND RAG: AN INTELLIGENT RESUME UNDERSTANDING AND CONVERSATIONAL ANALYSIS SYSTEM USING RETRIEVAL-AUGMENTED GENERATION         | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 77. | ITPRG05 | LIBRAMIND RAG: AN INTELLIGENT LIBRARY KNOWLEDGE RETRIEVAL AND CONVERSATIONAL ASSISTANCE SYSTEM USING RETRIEVAL-AUGMENTED GENERATION | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 78. | ITPRG06 | CONTRACTIQ: AN AI-DRIVEN CONTRACT ANALYSIS AND COMPLIANCE VERIFICATION SYSTEM USING RAG                                             | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 79. | ITPRG07 | LEGALRAG: AN INTELLIGENT LEGAL DOCUMENT RETRIEVAL AND KNOWLEDGE ASSISTANCE SYSTEM USING RAG                                         | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 80. | ITPRG08 | MEDIRAG: AN INTELLIGENT HOSPITAL KNOWLEDGE MANAGEMENT ASSISTANT USING RETRIEVAL-AUGMENTED GENERATION                                | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |

**FEDERATED LEARNING**

| S.N | P. CODE | PROJECT TITLE                                                                                                                       | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|---------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 81. | ITPFL01 | FEDERATED AND EXPLAINABLE MULTIMODAL AI FOR PRIVACY-PRESERVING AND PERSONALIZED MULTIPLE SCLEROSIS MONITORING                       |                                 |                              |
| 82. | ITPFL02 | FEDERATED DEEP LEARNING BASED INTRUSION DETECTION SYSTEM FOR PRIVACY-PRESERVING NETWORK TRAFFIC ANALYTICS                           |                                 |                              |
| 83. | ITPFL03 | FRAUDSHIELD FL: A PRIVACY-PRESERVING FEDERATED LEARNING FRAMEWORK FOR CREDIT CARD FRAUD DETECTION AND CUSTOMER RETENTION PREDICTION |                                 |                              |
| 84. | ITPFL04 | FEDERATED DEEP LEARNING FOR PRIVACY-PRESERVING AND PERSONALIZED SENTIMENT CLASSIFICATION                                            |                                 |                              |
| 85. | ITPFL05 | FEDERATED AND EXPLAINABLE AI FRAMEWORK FOR PRIVACY-PRESERVING PNEUMONIA DETECTION USING CHEST X-RAY IMAGES                          |                                 |                              |
| 86. | ITPFL06 | FEDERATED AI-BASED ORPHANAGE RESOURCE NEED ASSESSMENT AND WELFARE MANAGEMENT SYSTEM                                                 |                                 |                              |
| 87. | ITPFL07 | FEDERATED LEARNING FRAMEWORK FOR PRIVACY-PRESERVING GOOGLE STOCK PRICE PREDICTION                                                   |                                 |                              |
| 88. | ITPFL08 | FEDERATED AND EXPLAINABLE ARTIFICIAL INTELLIGENCE FRAMEWORK FOR PRIVACY-PRESERVING NETWORK INTRUSION DETECTION                      |                                 |                              |

**CHATBOT WITH VOICE ASSISTANT**

| S.N | P. CODE | PROJECT TITLE                                                                                                        | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE |
|-----|---------|----------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|
| 89. | ITPCB01 | EDUASSISTBOT: AN AI-POWERED CONVERSATIONAL ASSISTANT FOR INTELLIGENT STUDENT SUPPORT AND ACADEMIC SERVICE MANAGEMENT |                                 |                              |



| S.N                         | P. CODE | PROJECT TITLE                                                                                                                | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
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| 90.                         | ITPCB02 | TASTETALK: AN AI-POWERED CONVERSATIONAL RECOMMENDER SYSTEM FOR PERSONALIZED DINING EXPERIENCES AND MENU DISCOVERY            | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 91.                         | ITPCB03 | SMARTSUPPORT AI: A CONVERSATIONAL INTELLIGENCE PLATFORM FOR CUSTOMER INTERACTION AND BUSINESS OPERATIONS AUTOMATION          | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 92.                         | ITPCB04 | AI-CAREER COMPASS: AN INTELLIGENT CONVERSATIONAL ASSISTANT FOR CAREER PLANNING, SKILL DEVELOPMENT, AND PROFESSIONAL GUIDANCE | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 93.                         | ITPCB05 | GYMGENIUS AI: AN INTELLIGENT VIRTUAL FITNESS COACH FOR PERSONALIZED EXERCISE AND DIET MANAGEMENT                             | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 94.                         | ITPCB06 | TRAVELMATE AI: AN INTELLIGENT CONVERSATIONAL ASSISTANT FOR TRIP PLANNING, DESTINATION DISCOVERY, AND TRAVEL MANAGEMENT       | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 95.                         | ITPCB07 | AGRIBOT: AN INTELLIGENT AGRICULTURAL ADVISORY ASSISTANT FOR CROP MANAGEMENT, DISEASE DIAGNOSIS, AND FARMER SUPPORT           | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 96.                         | ITPCB08 | FINASSIST AI: A CONVERSATIONAL LOAN ADVISORY SYSTEM FOR INSTANT ELIGIBILITY VERIFICATION AND FINANCIAL GUIDANCE              | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| <b>AI MANAGEMENT SYSTEM</b> |         |                                                                                                                              |                                 |                               |
| S.N                         | P. CODE | PROJECT TITLE                                                                                                                | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
| 97.                         | ITPAI01 | RECRUITIQ GUARDIAN: INTELLIGENT CANDIDATE VERIFICATION AND HIRING ANALYTICS SYSTEM                                           | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 98.                         | ITPAI02 | VISAINTEL AI: A SMART VISA APPOINTMENT AND REJECTION RISK PREDICTION MANAGEMENT SYSTEM USING ARTIFICIAL INTELLIGENCE         | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 99.                         | ITPAI03 | EVIDENCESHIELD GUARDIAN PRO: AI-POWERED FRAMEWORK FOR ADVANCED MULTIMEDIA AUTHENTICITY VERIFICATION                          | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 100.                        | ITPAI04 | SIGNVERSE GUARDIAN: AI-POWERED REAL-TIME SIGN LANGUAGE INTERPRETATION AND ACCESSIBLE COMMUNICATION FRAMEWORK                 | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |



| S.N                           | P. CODE | PROJECT TITLE                                                                                                   | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
|-------------------------------|---------|-----------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|
| 101.                          | ITPAI05 | FARMSENSE AI: MACHINE LEARNING FRAMEWORK FOR PRECISION AGRICULTURE AND YIELD OPTIMIZATION                       | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 102.                          | ITPAI06 | AI-DRIVEN SMART MEDICAL PRESCRIPTION ANALYSIS SYSTEM USING OCR AND IOT TECHNOLOGY                               | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 103.                          | ITPAI07 | RECRUITVISION: AUTOMATED BEHAVIORAL MONITORING SYSTEM FOR DIGITAL HIRING                                        | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 104.                          | ITPAI08 | AI-DRIVEN SMART DELIVERY PERSON MONITORING AND FACE RECOGNITION SYSTEM                                          | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 105.                          | ITPAI09 | HEALTHMATE: SMART DISEASE PREDICTION WITH SPECIALIST LOCATOR AND APPOINTMENT BOOKING MANAGEMENT SYSTEM          | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 106.                          | ITPAI10 | PREDICTIVE ANALYTICS FOR EARLY FAILURE IDENTIFICATION AND TICKET RAISING IN IT INFRASTRUCTURE                   | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 107.                          | ITPAI11 | CODEAI: AI BASED SMART COMPILER FOR MULTI-LANGUAGE CODE ANALYSIS AND AUTO DEBUGGING                             | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 108.                          | ITPAI12 | EDUTUTOR AI: AI-POWERED SMART TUTOR SYSTEM USING RAG AND LARGE LANGUAGE MODELS                                  | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| <b>SOFTWARE WITH HARDWARE</b> |         |                                                                                                                 |                                 |                               |
| S.N                           | P. CODE | PROJECT TITLE                                                                                                   | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
| 109.                          | ITPSH01 | BRIDGEGUARD: AI-BASED BRIDGE HEALTH MONITORING AND CONCRETE CRACK DETECTION SYSTEM USING PYTHON AND IOT SENSORS | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 110.                          | ITPSH02 | AI-POWERED AUTOMATIC METER READING AND SMART ELECTRICITY BILL PREDICTION SYSTEM USING YOLOV8 AND OCR            | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 111.                          | ITPSH03 | HYDRAULICAI: AI-DRIVEN REAL-TIME HYDRAULIC OIL LEAKAGE DETECTION AND PREDICTIVE MAINTENANCE SYSTEM USING PYTHON | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 112.                          | ITPSH04 | TUNNELAI: AI AND IOT-BASED INTELLIGENT TUNNEL SAFETY MONITORING AND EARLY WARNING SYSTEM USING PYTHON           | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |



| S.N  | P. CODE | PROJECT TITLE                                                                                                                  | PROJECT OUTLINE<br>- CLICK HERE | PROJECT DEMO<br>- CLICK HERE  |
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| 113. | ITPSH05 | AUTOFIT AI: IOT-ENABLED DEEP LEARNING FRAMEWORK FOR SMART VEHICLE SPARE PART IDENTIFICATION AND AUTOMATED COMPONENT ASSISTANCE | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 114. | ITPSH06 | AQUASAFE: PYTHON-BASED UNDERGROUND PIPELINE LEAKAGE DETECTION AND MONITORING SYSTEM                                            | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 115. | ITPSH07 | SUNPOWER AI: SMART ENVIRONMENTAL ENERGY MONITORING PLATFORM<br>SUNPOWER AI: SMART ENVIRONMENTAL ENERGY MONITORING PLATFORM     | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 116. | ITPSH08 | METALVISION AI: IOT-ENABLED DEEP LEARNING FRAMEWORK FOR SMART SURFACE DEFECT DETECTION AND AUTONOMOUS MONITORING               | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 117. | ITPSH09 | AI-DRIVEN INTELLIGENT BUSBAR PROTECTION AND PREDICTIVE FAULT MONITORING SYSTEM                                                 | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 118. | ITPSH10 | AI-DRIVEN BIPOLAR DISORDER PREDICTION SYSTEM USING MACHINE LEARNING AND IOT INTEGRATION                                        | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 119. | ITPSH11 | AI POWERED IOT-BASED ELECTRICAL FIRE PREDICTION AND PREVENTION SYSTEM                                                          | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 120. | ITPSH12 | HARVESTPULSE: AN INTELLIGENT FRUIT FIRMNESS DETECTION AND HARVEST STAGE IDENTIFICATION SYSTEM FOR SMART AGRICULTURE            | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 121. | ITPSH13 | SMART IOT SYSTEM FOR INDUSTRIAL DEVICE CONDITION ANALYSIS AND RISK DETECTION                                                   | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 122. | ITPSH14 | SMART INDUSTRIAL SAFETY MONITORING SYSTEM USING OPENCV, IOT AND DJANGO WEB INTEGRATION                                         | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |
| 123. | ITPSH15 | MINDMETRIX: IOT-ENABLED AI FRAMEWORK FOR EMOTIONAL HEALTH EVALUATION                                                           | <a href="#">Connect</a>         | <a href="#">Demo &gt;&gt;</a> |