STRYDO
TECHNOLOGIES PVT. LTD.

EXPLORE OUR NEW TITLES

ARDUINO

IoT

HARDWARE TITLES
2024-2025

www.strydoprojects.com

About Us

Strydo Industries incorporated in 2012, in Vellore, Tamil Nadu is a resource for locating the best people to help you reach your learning goals. We provide IT training, Research & Development projects, Internship, Web development, Placement assistance, Academic projects, Faculty Development program, and Technical workshops.

We enhance individuals through efficient training methodologies to have a better scope and ideas for their future. It is always important to set us S.M.A.R.T goals to achieve our long term vision and most of us are left helpless in those situations. Our experienced professionals teach you the S(specific),M(Measurable),A(Accurate). R(Reliable), T(Timely) way of approaching your goals.

We believe that when it comes to training, you need to develop true competence in new skills, not just receive an overview of ways and techniques. The best way to assure competence is through facilitated hands on practice. Our students spend at most of their time in class performing structured hands on lab exercises that build competence, confidence, and clarity.

We have professionals with great experience to train an individual bring out their best in areas of innovation, creativity and efficiency. We have served thousands of clients for the past years with great results.

OUR MISSION

Strydo Technologies is an industrial skill provider for students, Faculty and IT professionals. We provide IT training, Research & Development projects, Internship, Web development, Placement assistance, Academic projects, Faculty Development program, and Technical workshops.

Our sole purpose is to create easy ways for skill development and to understand one's desires and help them out in training and guiding them to reach their goal.

Our team's expedition is to help a professional or an individual to work or learn on developing their skill sets and to understand their strength to explore great ways of opportunities and to make them comfortable with their options and ideas.

We are crystal clear about our mission!! Are you? If so join us to have an endearing journey to find the better you!

OUR VISION

Strydo Technologies' authentic purpose is to create an easy room of optimistic juncture for any thriving individual with great deal of passion and hard work.

"Opportunities are not magical, but one's effort and endurance bring them umpteen numbers of opportunities". Our vision is to multiply ways to endure those opportunities and provide world class training to students, faculty, IT professionals, etc.

Strydo's endeavor is to show more rays of hope without any impediment and to be a global leader in industrial soft skill training.

Our Vision is to grab hold of YOUR Vision for you see through it and to see the lights in your path so you can seize game!

Strydo Technologies Pvt Ltd

With a wide range of courses designed for skill development of every individual, the portfolio would be perfect to enable an organization to provide comprehensive development opportunities to all of its employees and students so they can deliver on the organization's goals and strategies.

WHAT WE DO

1. Research And Development
2. IT Training
3. Final Year Academic Projects
4. FDP/Workshop
5. Internship
6. Web Development
7. Technical Courses
8. Placement Assistance

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PROJECT TRAINING
METHODOLOGIES

PROJECT - 1

- Title selection and assistance on latest technology
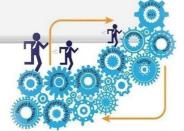- Analyzing the requirements

MODULES - 2

- Project Design
- Methodology Creation

DEVELOPMENT - 3

- Software Installation
- Coding Execution

REVIEW GUIDANCE - 4

- Completed Project document support
- Per demo Section
- Final VIVA notes

INTERNSHIP - 5

- Industrial Internship Training
- Internship Certificate Based On Industries

JOB ASSISTANCE - 6

- Job Reference
- Placement Training

EMBEDDED SYSTEM
IOT and MACHINE LEARNING

S.NO	CODE	TITLE	YEAR
01.	ITIML01	A Machine-Learning Based IoT Smart Home System to Detect and Reduce Urban Insecurity in Uganda: A Case of Kampala Metropolitan Area-IOT WITH ML	2024
02.	ITIML02	IoT and Machine Learning-Based System for Predicting, Monitoring and Controlling Indoor Air Quality-IOT WITH ML	2024
03.	ITIML03	FruitfulInsight: IOT and ML-Based System to Predict Expiry of Fruits-IOT ML	2024
04.	ITIML04	RenalCare: Personalized Alerting System for Renal Cancer Recurrence Prevention via IoT and ML	2024
05.	ITIML05	Increasing Emergency Response Time: A Smart GPS and IoT-Based Approach for Ambulance Optimization	2024
06.	ITIML06	Analysis of Maternity and Child Health Care System Integrated with IoT and ML	2024
07.	ITIML07	Arduino-Based Air Quality Monitoring Robot With ML Analysis of IOT	2024
08.	ITIML08	Low Cost IoT and ML based Pesticide Level Detection in Fruits and Vegetables	2024
09.	ITIML09	Sustainable Agriculture Using Machine Learning and IoT	2024
10.	ITIML10	Integrated Healthcare System for Saline Monitoring, Patient Communication, and Heart Disease Prediction Using IoT and Machine Learning Algorithms	2024
11.	ITIML11	Water Wastage Detection in Smart Homes Through IoT and Machine Learning	2024
12.	ITIML12	Density-Based Traffic Control System Using IoT and Machine Learning	2024

13.	ITIML13	IoT Based Food Spoilage Detection using Machine Learning Techniques	2024
14.	ITIML14	Soil Category Classification using Machine Vision and Automated NPK Content Estimation	2024
15.	ITIML15	Smart Agriculture System Using IoT and ML	2024
16.	ITIML16	IoT-Based Livestock Monitoring and Management System Using Machine Learning Algorithms	2024

INTERNET OF THINGS (IOT)

S.NO	CODE	TITLE	YEAR
01.	ITIOT01	IoT-Based Efficient Storage System for Sustainable Agriculture	2024
02.	ITIOT02	Unleashing the Potential of IoT Integration for Energy Optimization in Smart Homes	2024
03.	ITIOT03	A Cloud-oriented Indoor-Outdoor Real-Time Localization IoT Architecture for Industrial Environments	2024
04.	ITIOT04	A Smart and Secured Office System Using IoT	2024
05.	ITIOT05	Time and Accuracy Optimized IoT based Elderly HealthCare System	2024
06.	ITIOT06	IoT's Impact on Personal Devices and Health: Wearable Technology	2024
07.	ITIOT07	IoT Motion Detection Sensors for Monitoring in a Smart Campus	2024
08.	ITIOT08	An IoT-based System and Method of Autonomous Robots for Garbage Collection in Smart Cities	2024
09.	ITIOT09	Transforming Shopping with IoT: Exploring the Intelligent Way to Design the Smart Trolley using IoT Principles	2024
10.	ITIOT10	IoT based oxygen level monitoring circuit for patient	2024

11.	ITIOT11	IoT-Enabled Real-Time Monitoring and Predictive Maintenance for Solar Systems: Maximizing Efficiency and Minimizing Downtime	2024
12.	ITIOT12	Cloud IoT Based Surveillance System for Tracking and Monitoring of Domestic Animals	2024
13.	ITIOT13	IoT Based Electrical Vehicle Battery Management System with Charge Monitor and Fire Protection	2024
14.	ITIOT14	4 Security and Privacy Considerations in IoT Based Livestock Monitoring Systems	2024
15.	ITIOT15	Security and Privacy Threats Posed by IoT Devices Used by Students on College Campuses	2024
16.	ITIOT16	An IoT Semantic Web Service For Objects Identifying	2024
17.	ITIOT17	IoT-Based Intelligent Crop Monitoring System	2024
18.	ITIOT18	IoT Based Smart Home and Office Fire Notification Alert System	2024
19.	ITIOT19	IoT Research in Supply Chain Management and Logistics: Real-Time Asset Tracking and Inventory Management	2024
20.	ITIOT20	ML-Based Yield Prediction in Smart Agriculture Systems Using IoT	2024
21.	ITIOT21	Transmission Line Fault Detection Using IOT	2024
22.	ITIOT22	IoT-Enhanced Gesture Recognition System for Healthcare Applications	2024
23.	ITIOT23	Security for Underground Utility Data Transmission in IoT Sensor Networks	2024
24.	ITIOT24	An IoT-Based System for Water Parameters Monitoring. Case Study: Fish Farming in El Salvador	2024
25.	ITIOT25	Suitability of LoRaWAN and solar harvesting in IoT-ready fall detection solutions for light mobilit	2024
26.	ITIOT26	A Low-Cost IoT System for Water Quality Monitoring in Developing Countries	2024

27.	ITIOT27	Iot and ai synergy: remote patient monitoring for improved healthcare	2024
28.	ITIOT28	Wearable Location Tracker During Disaster using AI and IoT	2024
29.	ITIOT29	An IoT-based System for Monitoring and Control of Irrigation Processes	2024
30.	ITIOT30	IoT and Machine Learning-Based System for Predicting, Monitoring and Controlling Indoor Air Quality	2024
31.	ITIOT31	SmartHealth: Machine Learning based Smart Diabetes Prediction in an IoT System	2024
32.	ITIOT32	Forest fire identification: Harnessing Internet of Things (IoT) and Artificial Intelligence	2024
33..	ITIOT33	RFID IoT Architecture for Smart Inventory Management: Security Integration	2024
34.	ITIOT34	Securing IoT-Enabled Web Applications and Enhancing Women's Safety Through Advanced Technologies	2024
35.	ITIOT35	IoT-Based Automatic Bed Vacancy Detection in Hospital	2024
36.	ITIOT36	IOT Based System for Detecting Accidents and Alerting Nearby Hospitals	2024
37	ITIOT37	Energy-Synchronized Operation Frequency Management Technique for Internet of Things (IoT)-based Health Monitoring Systems	2024
38	ITIOT38	ParkNest- The Smart Parking System Using IoT	2024
39	ITIOT39	Intelligent Room Allocation using Smart IoT Devices	2024
40	ITIOT40	Integrated Prediction Model for Crop Yield and Harvesting using Machine Learning and IoT	2024
41	ITIOT41	IoT-Based Crop Disease Detection and Management System Using Machine Learning Algorithms	2024
42	ITIOT42	IoT Based Health Risk Monitoring System	2024

43	ITIOT43	Iot based animal detection and alert system for farm fields	2024
44	ITIOT44	Traffic Violation Detection and Control System Using RFID and IOT System	2024
45	ITIOT45	Intelligent Parking Systems Design Using IOT and AI	2024
46	ITIOT46	Dynamic Disaster Management with Real-Time IoT Data Analysis and Response	2024
47	ITIOT47	Revolutionizing EV Charging stations through IoT	2024
48	ITIOT48	Integration of Remote Sensing and IoT for Real Time Monitoring of Irrigation in Smart Farming	2024
49	ITIOT49	MIoT: An IoT System for Dynamic Ocean Monitoring and Data Collection	2024
50	ITIOT50	IoT-Based Efficient Storage System for Sustainable Agriculture	2024
51	ITIOT51	Unleashing the Potential of IoT Integration for Energy Optimization in Smart Homes	2024
52	ITIOT52	A Cloud-oriented Indoor-Outdoor Real-Time Localization IoT Architecture for Industrial Environments	2024
53	ITIOT53	IoT-Enabled Medicine Dispenser for Pills and Liquid Medication	2024
54	ITIOT54	IoT Based Automatic Breaking Control System for EV Vehicle and Monitoring System	2024
55	ITIOT55	Illuminating Urban Landscapes using IoT Based Approach for Smart Street Lighting	2024
56	ITIOT56	Advancing Workplace Safety with IoT-Enabled Industrial Monitoring	2024
57	ITIOT57	Implementation of Farmguard with Automated Animal Detection and Monitoring System using IoT	2024

| 58 | ITIOT58 | **Enhancing Parking Infrastructure with Internet of Things and Pressure Plate Technology** | **2024** |
| 59 | ITIOT59 | **IoT-Based Real-time Waste Management System with Dust Segregation & Full Bin Notifications** | **2024** |

ARDUINO

S.NO	CODE	TITLE	YEAR
01.	ITARD01	**Smart Water Flow and Pipeline Leakage Detection Using IoT and Arduino UNO**	**2024**
02.	ITARD02	**Smart Irrigation Using Arduino**	**2024**
03.	ITARD03	**Design and Implementation of Photovoltaic Monitoring System Using Arduino UNO R4**	**2024**
04.	ITARD04	**Standalone Dual-Axis Solar Tracker System with Battery Charger and Arduino**	**2024**
05.	ITARD05	**A Car Parking Guidance System to Lessen the Traffic in the Parking Lot using Arduino**	**2024**
06.	ITARD06	**Battery Monitoring System Using Labview Interface for Arduino**	**2024**
07.	ITARD07	**Smart Air purification: Enhancing Indoor Air quality using Arduo Uno and ThingSpeak Integration**	**2024**
08.	ITARD08	**Enhanced Shopping Experience: Integrating Load Cell Technology with Arduino in Smart Trolley Systems**	**2024**
09.	ITARD09	**Automated Canine Food Vending Machine Using Yolo V5And Arduino**	**2024**
10.	ITARD10	**Campus Choice: Arduino Nano College Voting Machine**	**2024**

11.	ITARD11	A Prototype of an Arduino-Based Home Automation System	2024
12.	ITARD12	Milk quality prediction using Machine Learning integrated with Arduino	2024
13.	ITARD13	Smart Farming Implementation using Arduino and LoRa	2024
14.	ITARD14	IoT-Based Theft Detection Development	2024
15.	ITARD15	Arduino Uno-based Adaptive Parking System	2024
16.	ITARD16	Design a pH Meter Using Arduino	2024
17.	ITARD17	A Smart and Automated Waste Management System	2024
18.	ITARD18	Intelligent Sensor Based Smart Irrigation System For Sustainable Agriculture	2024
19.	ITARD19	Safeway Companion: Smart Walking Stick with Sensory Based Safety Alert for Visually Impaired Individuals	2024
20.	ITARD20	Design and Implement a GPS Car Tracker on Google Maps Using Arduino	2024
21.	ITARD21	Health Monitoring of Solar Photovoltaic Panels and Data Acquisition System using IoT	2024
22.	ITARD22	Design and Development of RFID based Unmanned Smart Ration Distribution System	2024
23.	ITARD23	Smart Helmet for Mining Industries	2024
24.	ITARD24	Enhancing Fisherman's Safety with Border Alerting System	2024

25.	ITARD25	Smart Intelligent Traffic Control System for Emergency Vehicles	2024
26.	ITARD26	Smart Helmet for Riders to Avoid Accidents Using IoT	2024
27.	ITARD27	Wearable IoT Technology: Unveiling the Smart Hat	2024
28.	ITARD28	EcoSense: A GSM-Enabled IoT Solution for Intelligent Waste Management	2024
29.	ITARD29	IoT-Based Smart Kitchen with Enhanced and Automated Safety Measures	2024
30.	ITARD30	IoT Based Electrical Vehicle Battery Management System with Charge Monitor and Fire Protection	2024
31.	ITARD31	Integrated Smart Trolley System: Arduino Nano-Based RFID Billing and Weight Sensor Augmentation	2024
32.	ITARD32	Revolutionizing Safety: An Arduino-IoT System for Accident Prevention based on Innovative Practices	2024
33.	ITARD33	Detecting Fuel Theft with Arduino	2024
34.	ITARD34	Arduino-Based Sensor System for Safe Mobility of People with Visual Impairments	2024
35.	ITARD35	IoT-Enhanced Transport and Monitoring of Medicine Using Sensors, MQTT, and Secure Short Message Service	2024
36.	ITARD36	LPG Transport Tracking and Leakage Detection with Accident Prevention Alert System	2024
37.	ITARD37	Development and Implementation of an IoT-enabled Real-time Cold Storage Monitoring and Notification System	2024

38.	ITARD38	**IoT Based Coal Mines Safety Monitoring and Alerting System**	**2024**
39.	ITARD39	**Developing Vehicles Blind Spot Sensors Using Arduino to Avoid Parking Accidents**	**2024**
40.	ITARD40	**Real-Time Smoke Detection Inside Cars using Internet of Things**	**2024**
41.	ITARD41	**Design of Highway Automated Toll Assortment Scheme for Intelligent Transportation Systems**	**2024**
42.	ITARD42	**Comprehensive Assistive Mobility System for the Visually Impaired: The Smart Blind Stick with Ultrasonic Sensor Solution**	**2024**
43.	ITARD43	**IOT Enabled Smart Fuel Station Management System**	**2024**
44.	ITARD44	**Real-Time Aquaculture Monitoring System Using IoT Technology**	**2024**
45.	ITARD45	**Automated and Interactive Smart Bin Implementation in Urban Zones**	**2024**
46.	ITARD46	**Echo Guidance: Voice-Activated Application for Blind with Smart Assistive Stick Using Machine Learning and IoT**	**2024**
47.	ITARD47	**Autonomous Vehicle**	**2024**
48.	ITARD48	**An Innovative Animal Care and Management System Integrating Internet of Things (IoT) Technology**	**2024**
49.	ITARD49	**IoT System for Greenhouse Monitoring**	**2024**
50.	ITARD50	**Smart Decision Maker and Monitoring System for Modern Agriculture based on Internet of Things**	**2024**
51.	ITARD51	**Indoor Air Quality Monitoring System for Healthcare**	**2024**

52.	ITARD52	Real Time Safety Monitoring System in Coal Mines Using IoT	2024

AI(ARTIFICAL INTELLIGENCE)

S.NO	CODE	TITLE	YEAR
01.	ITAI01	Smart Waste Bins using DCNN and Internet of Thing	2024
02.	ITAI02	Design and Development of AI based QR Enabled Pharmaceutical Dispenser	2024
03.	ITAI03	Arduino Automated Irrigation and Fertigation System with IoT Interface for Tomato Garden	2024
04.	ITAI04	An Automated System for Waste Segregation Using Deep Learning Algorithms	2024
05.	ITAI05	Turmeric plant Disease Monitoring using Internet of Things and Computer Vision	2024
06.	ITAI06	ML Assisted Sign Language to Speech Conversion Gloves for the Differently Abled	2024
07.	ITAI07	Cloud IoT Based Surveillance System for Tracking and Monitoring of Domestic Animals	2024
08.	ITAI08	Forest Fire Monitoring using Internet of Things and Machine Learning	2024
09.	ITAI09	An AI based System for Smart Detection of Leaf Diseases using Machine Learning Techniques	2024
10.	ITAI10	Guardian Ai's Future Home Protection Using Iot	2024

11	ITAI11	IoT based Soyabean Pest Classification using Transfer Learning and Explainable AI	2024
12	ITAI12	SAMS: Smart Agricultural Monitoring System Integrating Edge AI and IoT for Early Detection of Rice Crop Stress	2024
13	ITAI13	Iot and Ai Synergy: Remote Patient Monitoring for Improved Healthcare	2024
14	ITAI14	Smart Home Automation Using AI and IoT with High Security	2024
15	ITAI15	Early Detection and Analysis of Lung Cancer Using Artificial Intelligence	2024

ROBOTICS

S.NO	CODE	TITLE	YEAR
01.	ITROB01	Fire Detection and Extinguishing Robot Using Arduino	2024
02.	ITROB02	Automatic Grass Cutting Robot Using Arduino And Ultrasonic Sensor	2024
03.	ITROB03	Design and Implementation of a Line Follower Robot	2024
04.	ITROB04	Automated Solar Based Electric Grass Cutter with Multi-Purpose Robotic Vehicle	2024
05.	ITROB05	Autonomous Subsurface Exploration and Extraction System: Robotic Arm-Assisted Bore well Rescue Initiative	2024
06.	ITROB06	IoT and Wireless Sensor Network Based Autonomous Farming Robot	2024

07.	ITROB07	The Roadside Garbage Collection Robot	2024
08.	ITROB08	Enhancing Bore well Rescue with Automation	2024
09.	ITROB09	Mean-Based Approach To Omnidirectional Path finding Algorithm Using Single Ultrasonic Sensor For Robotic Car	2024
10.	ITROB10	MEDBOT Artificial Medicine Reminder and Deliver Robot with Line Follower Technique Using Arduino Uno in Healthcare	2024
11.	ITROB11	Development of A Digital Egg Counting System for Eggs on A Conveyor Belt Using Sensor	2024
12.	ITROB12	Implementation of a Wireless Human Hand Gesture Controlled Robotic Arm	2024
13.	ITROB13	Glidecontrol:Hands-free Wheelchair Innovation	2024
14.	ITROB14	Food Serving Restaurant Robot with Infrared line Detection Path	2024
15.	ITROB15	Gesture-Controlled Wheelchair and Home Automation using IR Remote	2024
16.	ITROB16	Enhancing Solar Energy Harvesting Efficiency: A Dual-Axis Solar Tracking System	2024
17.	ITROB17	Retrofitting a Commercially Available Remote Controlled Boat into an Amphibious Robot for Flood Operations Rescue Surveillance (FlOReS) Assistance	2024

AUTHENTICATION & SECURITY

S.NO	CODE	TITLE	YEAR
01.	ITA&S01	Biometric Authentication System for Two Wheeler	2024

S.NO	CODE	TITLE	YEAR
02.	ITA&S02	Securing Vehicles with Arduino: Implementing Geo-Fencing Technology for Theft Prevention	2024
03.	ITA&S03	A Comprehensive Study on Alcohol Detection and Engine Locking System using Arduino	2024
04.	ITA&S04	SafeHaven Shield: Arduino-Driven RFID & PIR Home Security System With Keypad Lock	2024
05.	ITA&S05	Puzzle Lock System For Vehicle Safety	2024
06.	ITA&S06	Securing Democracy: The Two-Phase Authentication Approach to Electronic Voting	2024
07.	ITA&S07	Development of a Digital Meter for Actual Fuel Consumption with GPS Location for Security in Vehicles Using IOT	2024
08	ITA&S08	Arduino-Powered Fingerprint Authentication for Door Access Control	2024
09	ITA&S08	Facial Recognition Authentication in Electoral Processes using Raspberry Pi	2024

WIRELESS

S.NO	CODE	TITLE	YEAR
01.	ITWIR01	Smart Blind Stick: Object Detection & GPS Integration for Enhanced Mobility	2024
02.	ITWIR02	Voice Controlled Wireless Notice Board	2024
03.	ITWIR03	Leakage Detection Monitoring in Underground Pipes Using ZigBee in Wireless Sensor Networks	2024
04.	ITWIR04	A Multipurpose Microcontroller-Based Energy Management System for Microgrid Cluster Utilizing GSM Communication	2024

05.	ITWIR05	Smart Water Monitoring with GSM Alerts: An IoT Approach	2024
06.	ITWIR06	Elderly Safety and Communication: An IoT-Based Smart Glove for Fall Detection and Hand Gesture Communication	2024
07.	ITWIR07	Voice Controlled Wheelchair System	2024
08	ITWIR08	Anti-Collision Speed Control System based on Embedded System using RFID	2024
09	ITWIR09	Use of Wireless Transmission for Vibration Monitoring	2024
10	ITWIR10	Dynamic Wireless Charging of Electric Vehicle using Solar	2024
11	ITWIR11	IoT Integrated Automatic Environmental Monitoring System	2024
12	ITWIR12	Smart Jacket for Yoga Posture Correction	2024
13	ITWIR13	Soldier Surveillance using Wireless Sensor Network (SS-WSN)	2024
14	ITWIR14	Wireless Sensor Network Based on IoT for Air Pollution Monitoring	2024
15	ITWIR15	A Survey of Wireless Soil Sensing Technologies	2024
16	ITWIR16	Tracking and Monitoring Cattle's Health using Wireless Sensor Networks	2024

AUTOMATION

S.NO	CODE	TITLE	YEAR
01.	ITAU01	Automotive Safety Guardian: Advanced Collision and Alcohol	2024

		Detection Black box	
02.	ITAU02	**Automated Worms Monitoring System**	**2024**
03.	ITAU03	**Aerator Automation and Pond Monitoring System**	**2024**
04	ITAU04	**A Prototype of an Arduino-Based Home Automation System**	**2024**
05	ITAU05	**A Prototype of an Arduino-Based Home Automation System**	**2024**
06	ITAU06	**Gesture-Controlled Wheelchair and Home Automation using IR Remote**	**2024**
07	ITAU07	**Automation System for Wind Turbines**	**2024**
08	ITAU08	**Intelligent Automation in Long Vehicles through LDR Sensor Technology for Accident Prevention**	**2024**
09	ITAU09	**Smart Home Voice and Gesture Control Integration using Bluetooth and Gesture Sensor**	**2024**
10	ITAU10	**IOT Based Household Appliances Automation System**	**2024**
11	ITAU11	**Automated Gas Leakage Detection and Control System**	**2024**
12	ITAU12	**IoT Based Poultry Farm Automation**	**2024**
13	ITAU13	**Smart Public Garden Automation System**	**2024**
14	ITAU14	**Aerator Automation and Pond Monitoring System**	**2024**
15	ITAU15	**IoT based Boiling Detection System with Real-time Monitoring and Predictive Analysis**	**2024**
16	ITAU16	**A Smart and Automated Waste Management System**	**2024**

VELLORE	TIRUPATI
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BIO(BIOLOGICAL)

S.NO	CODE	TITLE	YEAR
01.	ITBIO01	Tracking and Monitoring Cattle's Health using Wireless Sensor Networks	2024
02.	ITBIO02	Paralysis Patient Alerting and Monitoring System	2024
03.	ITBIO03	Mobility Plus: Voice-Controlled Wheelchair with Health Monitoring System and Oxygen Cylinder Integration	2024
04.	ITBIO04	Design of Wheelchair Using Body Position Tracking Designed For Paralyzed Patients	2024
05.	ITBIO05	IoT-enabled Moving Wheelchair with Obstacle Detection and Continuous Health Monitoring	2024
06.	ITBIO06	EMG Sensor-Based Exoskeleton for Knee Injury Rehabilitation	2024
07.	ITBIO07	Remote Monitoring System using IoT for Healthcare Applications	2024
08.	ITBIO08	Analysis of EEG signals and study of seizures for movement of prosthetic arm	2024
09.	ITBIO09	Patient surveillance system	2024
10.	ITBIO10	Personal Safety and Health Monitoring System for Emergency Assistance using IOT	2024

RPI(RASPBERRY PI)

S.NO	CODE	TITLE	YEAR
01.	ITRPI01	Detecting Alcohol-Induced Drowsiness in Four Wheeled Vehicles: An Eye Tracking and MQ3 Sensor based Approach with Arduino Uno and Raspberry Pi, Integrated with SMS Notification System and GPS	2024
02.	ITRPI02	The Design and Implementation of a Campus Autonomous Delivery Robot Based on Raspberry Pi	2024
03.	ITRPI03	Solar Based Battery Efficient Robot Using Raspberry Pi	2024
04	ITRPIO4	Color based Product Sorting Machine using Raspberry PI	2024
05	ITRPIO05	Real-Time Object Recognition with Voice Feedback for Visually Impaired Based on Raspberry Pi	2024
06	ITRPIO07	Enhancing Night time Highway Drive Safety with a Raspberry Pi-Enabled Collision Alert System	2024
07	ITRPI08	AI Based Seamless Vehicle License Plate Recognition Using Raspberry Pi Technology	2024
08	ITRPI09	Gas Detection and Environmental Monitoring Using Raspberry Pi Pico	2024
09	ITRPI10	Vision-Guided Pick and Place Systems Using Raspberry Pi and YOLO	2024
10	IPRPI11	Raspberry Pi-Based Driver Drowsiness Detection	2024
11	IPRPI12	Raspberry Pi-based Real-Time Health Monitoring and Alert System for Enhanced Patient Care	2024
12	IPRPI13	Face Recognition Based Security System	2024

13	ITRPI14	Sign Language Detection Using Open Cv	2024
14	ITRPI15	IoT Based Smart Shopping Cart Integrated with Payment Gateway	2024
15	ITRPI17	Smart Soldier Jacket for Health Monitoring and Secured Data Transmission	2024
16	ITRPI18	Voice Assisted Smart Blind Stick	2024
17	ITRPI19	Healthcare Monitoring Companion: The Social Robot	2024
18	ITRPI20	A Raspberry pi based smart attendance system	2024
19	ITRPI21	Smart Parking Solution Using IoT	2024

LI-FI

S.NO	CODE	TITLE	YEAR
01.	ITLIFI01	Smart Drive Innovation: Li-Fi-Enabled Smart Transactions, Adaptive Lighting, and Automated Braking for Enhanced Safety and Drive-Thru Experience	2024
02	ITLIFI02	Lifi Enabled Cloud Based Health Monitoring and Menace Detection System for Wearable Devices	2024
03	ITLIFI03	Li-Fi Technology for Visible Light Communication in Text and Audio Transmission	2024
04	ITLIFI04	Development of LiFi System for Communication and Control in Hilly Regions	2024
05	ITLIFI05	Patient Health Monitoring System Using Lifi	2024

06	ITLIFI06	Development of Underwater Communication System Using Li-Fi Technology	2024

LORA

S.NO	CODE	TITLE	YEAR
01.	ITLORA01	Design of LoRa-based multi-parameters river water quality monitoring system	2024
02	ITLORA02	LoRa Protocol based Accident Alert System for Hilly Terrains	2024
03	ITLORA03	LoRa - Powered Smart Agriculture System for Monitoring and Controlling	2024
04	ITLORA04	An IoT based Real Time Forest Fire Detection & Alerting System Using LoRa Communication	2024
05	ITLORA05	IoT-based Railway Level Crossing Gate Control System	2024
06	ITLORA06	IoT with LoRa Architecture for Indoor Air Quality Monitoring System	2024
07	ITLORA07	Smart Farming Implementation using Arduino and LoRa	2024
08	ITLORA08	Smart Helmet for Mining Industries	2024
09	ITLORA09	IoT based Water Flow Monitoring System using Wireless Network (LoRa-WAN)	2024
10	ITLORA10	LoRa Based Stray Animals Tracking System	2024
11	ITLORA11	Design and Simulation of Speed Limit Control for Electric Vehicles in Variable Zones	2024

12	ITLORA12	Design and Implementation of a Wireless Water Quality Monitoring System	2024
13	ITLORA13	Smart Jacket for Health Monitoring of Climbers Using LoRaWAN Technology	2024
14	ITLORA14	Monitoring Systems for Mountain Climbers using IoT	2024
15	ITLORA15	IOT Enabled Forest Fire Identification and Prevention System using LORA	2024
16	ITLORA16	Remote Monitoring of Hazardous Environment at Mining Sites Using LoRa Network	2024
17	ITLORA17	Real Time Accident Alert System in Hilly Region using LoRa Technology	2024
18	ITLORA18	Optimizing Power Grid Operations with IoT-Based Distribution Transformer Monitoring System	2024

VLSI

S.NO	CODE	TITLE	YEAR
1	ITVL01	A Low-Power And High-Accuracy Approximate Multiplier With Reconfigurable Truncation	2024
2	ITVL02	A Novel Ultra-Compact Trng Architecture Exploiting Latched Ring Oscillators	2024
3	ITVL03	A Highly Secure FPGA-Based Dual-Hiding Asynchronous-Logic AES Accelerator Against Side Channel Attacks	2024
4	ITVL04	Design Of ALU Using Reversible Logic Using Pipelining	2024
5	ITVL05	An Optimized M-Term Karatsuba-Like Binary, Polynomial	2024

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		Multiplier for Finite Field Arithmetic	
6	ITVL06	Analysis Of Low Delay In 64-Bit Vedic Multiplier Based Mac Unit	2024
7	ITVL07	Low Error Efficient Approximate Adders For Fpga's	2024
8	ITVL08	Area Reduction Of Aes Algorithm In Hardware Trojan Detection	2024
9	ITVL09	An Ultra-Efficient Approximate Multiplier with Error Compensation for Error-Resilient Applications	2024
10	TVL10	Constant-Time Synchronous Binary Counter With Minimal Clock Period	2024
11	ITVL11	Design & Implementation Of Wallace Tree Multiplier	2024
12	ITVL12	Design And Analysis Of Enhanced Dadda Multiplier Using 5:2 Compressors	2024
13	ITVL13	Design And Implementation Of Encryption/ Decryption Architectures For Bfv Homomorphic Encryption Scheme	2024
14	ITVL14	Design And Implementation Of Vedic Multiplier Using Carry Increment Adder	2024
15	ITVL15	Design of 16 bit RISC Processor	2024
16	ITVL16	Design Of A 16 Bit Multiplier Using Radix-16 Booth Encoder	2024
17	ITVL17	Design of Low Power Adder and Multiplier using Reversible Logic Gates	2024
18	ITVL18	Design Of Spi And I2c Protocol In Verilog Hdl	2024
19	ITVL19	Design Of Ultra-Low Power Consumption Approximate 4-2 Compressors Based On The Compensation Characteristic	2024

20	ITVL20	**Design Flow for The Implementation of Obfuscated Finite State Machines**	**2024**
21	ITVL21	**Comparative Analysis Of Aes And Des For Security Applications**	**2024**
22	ITVLSI22	**Floating Point Adder, Comparator, Multiplexer, Multiplier**	**2024**
23	ITVL23	**Fpga Implementation Of Efficient And Low Power Test Pattern Generator**	**2024**
24	ITVL24	**FPGA-Supported HDL Approach to Implement Reversible Logic Gate-Based ALU**	**2024**
25	ITVL25	**Fully Automated Traffic Light Controller System For A Four-Way Intersection Using Verilog**	**2024**
26	ITVL26	**High Performance Parallel Multiplier using Wallace-Booth Algorithm**	**2024**
27	ITVL27	**A Design And Implementation Of High Speed Single Precision Floating Point Division Unit Based On Vedic Techniques**	**2024**
28	ITVL28	**High-Performance Accurate And Approximate Multipliers For Fpga-Based Hardware Accelerators**	**2024**
29	ITVLSI29	**Implementation Of Aes Algorithm On Fpga And On Software**	**2024**
30	ITVL30	**Inexact Signed Wallace Tree Multiplier Design Using Reversible Logic**	**2024**
31	ITVL31	**Area-Efficient LFSR-Based Stochastic Number Generators with Minimum Correlation**	**2024**
32	ITVL32	**Modified High Speed 32-Bit Vedic Multiplier Design And Implementation**	**2024**

33	ITVL33	**Multi-Car Parking System Using Verilog**	**2024**
34	ITVL34	**Novel Binary Signed-Digit Addition Algorithm For Fpga Implementation**	**2024**
35	ITVL35	**Quantum Modular Multiplication**	**2024**
36	ITVL36	**Area Efficient Vedic Multiplier Based On Homogenous Hybrid Adder For Risc V Applications**	**2024**
37	ITVL37	**Sam: A Segmentation Based Approximate Multiplier For Error Tolerant Applications**	**2024**
38	ITVL38	**Scalable Low-Cost Sorting Network With Weighted Bit-Streams**	**2024**
39	ITVL39	**Signed Multiplier using Different Adders**	**2024**
40	ITVL40	**Approximate Radix-8 Booth Multipliers For Low-Power And High-Performance Operation**	**2024**
41	ITVL41	**TROT: A Three-Edge Ring Oscillator Based True Random Number Generator With Time-To-Digital Conversion**	**2024**
42	ITVL42	**Truncated Booth Multiplier Design Of Approximate Compressors Using Verilog Hdl**	**2024**
43	ITVL43	**Approach For Implementation Of Vending Machine Through Verilog Hdl**	**2024**
44	ITVLSI44	**VLSI Architecture of S-Box With High Area Efficiency Based on Composite Field Arithmetic**	**2024**
45	ITVLSI45	**Vlsi Implementation Of High Speed Single Precession Floating Point Unit Using Verilog**	**2024**
46	ITVL46	**VLSI Implementation of Turbo Coder for LTE using Verilog HDL**	**2024**

47	ITVL47	Vlsi Implementation Of Vedic Multiplier	2024
48	ITVL48	Design_of_Advanced_Encryption_Standard_using_Verilog_HDL	2024
49	ITVL49	Design_and_implementation_of_subway_automatic_ticketing_system_based_on_Verilog_HDL	2024
50	ITVL50	Modeling of nano-scale PLL using Verilog HDL	2024
51	ITVL51	Area-Efficient Parallel-Prefix Binary Comparator	2024

MATLAB (POWER ELECTRONIC)

S.NO	CODE	TITLE	YEAR
1	ITPE01	Multifunctional Isolated DC-DC Converter for Electric Vehicles	2024
2	ITPE02	Interlinking Unipolar and Bipolar DC Microgrids Using a Bidirectional DC-DC Converter With Voltage Balancer Support	2024
3	ITPE03	A Novel Non-Isolated DC-DC Converter for Marine Water Pumping Applications using Solar PV System	2024
4	ITPE04	On the Control of DC-DC Converters in the SS-Compensated Wireless Power Transfer System	2024
5	ITPE05	A Low-stress High-gain Interleaved DC-DC Converter with Self-balancing Capacitor Voltage	2024
6	ITPE06	A Supercapacitor Assisted Technique for Reducing Losses in the Input Loop of an Inverter System for Solar PV Applications	2024

7	ITPE07	Implementation of Seven-Level Asymmetrical Multilevel Inverter for Solar PV Application	2024
8	ITPE08	MPC-Based Harmonic Injection Techniques for Reconfigurable Single/Three-Phase Inverters with Grid Neutral Point Connection	2024
9	ITPE09	Deadbeat Control Method for T-type Three-Phase Four-leg Three-level Inverters	2024
10	ITPE010	A Full-ANN Control Scheme of Single-Phase Grid-Connected Inverter	2024
11	ITPE011	Switching Loss Reduction in Dual Inverter Topology Using Optimized Modulation Strategy	2024
12	ITPE012	Three-phase Single-stage Multiport Bidirectional AC-DC Converter with Reduced Power Conversion Stages	2024
13	ITPE013	High Gain Multiport Boost Converter for Hybrid Renewable Energy Systems	2024
14	ITPE014	Research on the Switch Reuse Dual Buck/Boost-DAB Four-Port DC/DC Converter	2024
15	ITPE015	Multiport Current Fed Push/Pull Partial Power Converter for Battery Integration in DC Microgrid	2024
16	ITPE016	Dual Input Step-up Converter for Portable Devices	2024
17	ITPE017	Grid-Connected Hybrid Renewable Energy System Under Various Operating Condition	2024
18	ITPE018	Variable Phase-Shift Switching Strategy For Multi-Input Interleaved Boost Converters in Solar Energy Systems	2024

19	ITPE019	Single Inductor-Multi Input Single Output Buck-Boost Converter for PV system	2024
20	ITPE020	Improving Solar Power Efficiency: A Comparison of MPPT Methods with a Focus on Hybrid ANNP&O Controller	2024
21	ITPE021	Single Switch Hybrid Network-Based Large Step-Up DC-DC Converter for Solar PV Applications	2024
22	ITPE022	Multiphase Unidirectional Active Bridge High- Step-Up DC-DC Converter with Multiphase Serial-Output	2024
23	ITPE023	DC-Link Voltage Control and Power Management of BESS Integrated Wind Power System Using MATLAB	2024
24	ITPE024	Hybrid Energy System Simulation and Modelling Incorporating Wind and Solar Power	2024
25	ITPE025	IoT Incorporated Prepaid Charging System for Electric Vehicles: A Design with RESs	2024
26	ITPE026	Intelligent Charging system for Electric Vehicle Batteries	2024
27	ITPE027	Interleaved Boost PFC with Half Bridge LLC Resonant Converter based EV Battery Charge	2024
28	ITPE028	PV fed Off-board E-bike Battery Charger using LLC Resonant Converter	2024
29	ITPE029	Performance of Single-Stage and Dual-Stage EV Battery Chargers for G2V and V2G Operation	2024
30	ITPE030	A Single-Phase Integrated Onboard Charger with a Wide Voltage Range for Plug-In Electric Vehicles	2024

31	ITPE031	EV's Battery Charger Integrated with High Power Density and Efficiency	2024
32	ITPE032	A Proposed Cuk Converter based Dual Input Hybrid Converter Topology as EV Charging Station	2024
33	ITPE033	A Fuzzy Control Strategy for Improve the Performance of CHB-STATCOM Under Grid Faults	2024
34	ITPE034	Development of Internal Inverter Controller System with PWM VSC based STATCOM	2024
35	ITPE035	Dynamic Improvement of a UPQC System Operating Under Grid Voltage Sag/Swell Disturbances	2024
36	ITPE036	The Harmonic Mitigation for Heavy Rail Systems Using Shunt Active Power Filter	2024
37	ITPE037	V2G Integration Based on a UPQC With SMES	2024
38	ITPE038	Dual Function Photovoltaic System for Power Quality Enhancement and Power Generation	2024
39	ITPE039	Power Quality Enhancement of Stand-Alone Hydro Power Generation System Using UPQC	2024
40	ITPE040	Harmonic Elimination of AC Electric Railway Systems Using Shunt Active Power Filters	2024
41	ITPE041	Harmonic Current Compensation for CL Filtered Shunt Active Power Filter	2024

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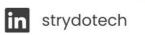LOCATE US

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