



LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(An Autonomous Institute, Approved by AICTE,
Permanently Affiliated to JNTUK, Kakinada)
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Classification of Projects for A.Y:21-22

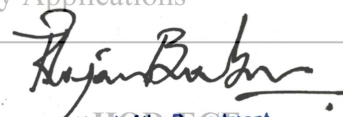
S.No	Classification	No.of Projects
1	Research-focused projects	39
2	Prototype based projects	2
3	Application based projects	17
	Total	58

List of Projects

S.No	Project Title
1	Determination and Reduction of RCS for a Plasma Sphere using Active Stealth Technology
2	Design of Power Consumption Monitoring and Theft Detection System using IoT
3	Implementation of Pixel-based Forgery Detection in Digital Images
4	Performance Analysis of Carry Look Ahead Adder using Modified-GDI FA
5	Implementation of Interactive Clipping and Filtering for Reducing PAPR
6	Design of Counters and Compressors Generated by Sorting Networks
7	Design of Smart Helmet using IoT Technology for Safety and Security
8	An Efficient Partial Distortion Motion Estimation Algorithm in Walsh-Hadamard Domain
9	Design of an Antenna Integrating on the Photovoltaic Panel for Hybrid Energy Harvesting
10	Design of Dielectric Resonator based MIMO Antenna with Multiband Characteristics
11	Design of Multiband Dielectric Resonator Antenna for Wireless Applications

12	Design of Multimode Hybrid Antenna using Liquid Dielectric Resonator and Magneto Electric Dipole
13	Design of Dual Band Frequency Reconfigurable MIMO Patch Slot Antenna
14	Development of an Embedded Smart Device for Assisting Visually Impaired People
15	Development of Machine Learning Models for NLOS Identification in WSN's Node Localization
16	Design of a low PDP Multiplexer based Ternary Arithmetic and Logic Unit using CNTFET
17	Implementation of Skin Cancer Detection using Deep Learning Algorithms
18	Development of a Smart Health Prediction System using IoT and Machine Learning Techniques
19	Design of Integrated Indoor Security System using LASERs and PIR
20	A Comparative Analysis of Quality of Medical Images using Image Quality Assessment Metrics After De-noising through Iterative Mean Filter
21	Implementation and Detection of Diabetic Retinopathy using CNN
22	Design of a Wideband Two 2x1 Array Antennas for Satellite Communication
23	A Real-time Indoor Positioning System Based on BLE Beacons and Sensors and Accuracy Increment using GPS Develop/INS
24	Design and Analysis of Parametric Dielectric Resonator Array Antenna for High Gain using Aperture Coupling
25	Design of High Gain Antenna for 5G Millimeter Wave Applications
26	Implementation of Super-pixel Segmentation with Guided Filter for Underwater Image Enhancement
27	Design of RFID Antenna for Platform Integrated Applications
28	Power Optimization using Bird Swarm Algorithm in Underwater Communication
29	Design of End-to-End Warning System based on WSN for Gas Leakage Detection in Industry Facilities
30	Investigation of Meta material based Circularly Polarized Dielectric Resonator Antennas
31	Design of Circularly Polarized Wideband Dielectric Resonator Antenna for Millimeter wave Applications
32	Design of Frequency Reconfigurable Antenna for ISM and Wi-MAX Applications
33	Modeling and Analysis of 5G Wireless Communication using Error Processing Techniques
34	Design and Analysis of Dielectric Resonator based Filtering Antenna
35	Design of Dual Band Reconfigurable MIMO Antenna for Wireless Communication Applications

36	Development of Machine Learning Based Models for Parkinson's Disease Classification
37	Design of Soldier Health Monitoring and Position Tracking System using Arduino
38	Design of Smart Agriculture Monitoring System using Arduino Microcontroller
39	Development of a Template Search Motion Estimation Algorithm with Partial Distortion Measure
40	Design of Frequency Reconfigurable Antenna for Multiband Applications
41	Detection of Railway Track Line Defects using Deep Learning Model
42	Design of Automated Machine Vision Technique (AMVT) for Detection and Localization of Early-Stage Type of Brain Tumors using Machine Learning Techniques
43	Design of QCA based Combinational Logic Circuits using Optimized XOR Gate
44	Design of Meta material loaded Micro strip Patch Antenna for C-Band Applications
45	Design of a Multimodal Adaptive Wireless Control System for Disabled and Elder People
46	Design of Slot Coupled Frequency Reconfigurable Hexagonal Patch Antenna as an Array Elements
47	Design of IoT based Smart Trolley using Arduino and RFID
48	Development of Quadratic Difference Expansion Method for Reversible Image Watermarking
49	Power Optimization using Fish Swarm Algorithm in Underwater Communication
50	Design of RF Based Vehicle to Vehicle Communication for Collision Avoidance
51	Design of Micro strip Patch Antenna for WLAN Applications
52	Particle Swarm Optimization Based Channel State Estimation in Beyond 5G Massive MIMO
53	Design of Attendance System with RFID and Biometric Verification
54	Development of Machine Learning based Model for Intelligent Ambulance Detection System using CNN
55	Implementation of a Deep Learning Model for Hand Gesture Recognition
56	An Implementation of Color Image Watermarking using Walsh Hadamard Transform
57	Design of Low Power Delay Product Carbon Nanotube Field Effect Transistors Based Ternary Digit Multiplier
58	Development of Mine Detection Spherical Droid for Military Applications


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