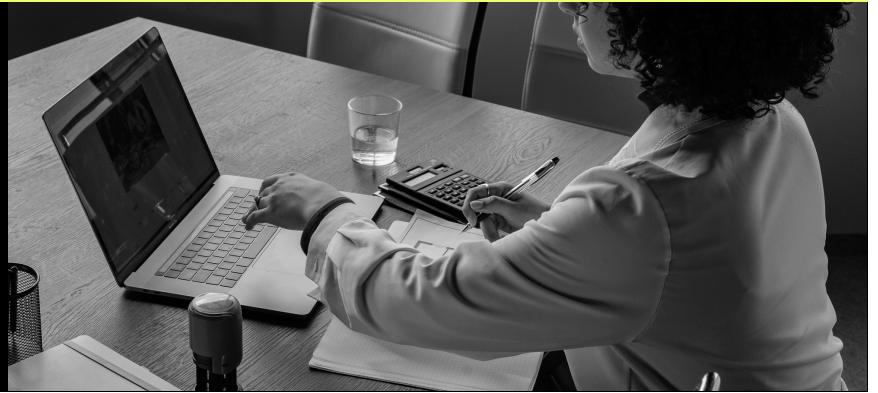# 100+ Most Interesting PBL Project Ideas For Engineering Students

PBL Project Ideas For Engineering Students

- Smart Home Automation System
- Autonomous Vehicle
- Solar-Powered Charging Station
- Smart Traffic Management System
- Hydroponic Farming System
- Waste Management System
- Gesture-Controlled Robotic Arm
- Drone Delivery System
- Smart Water Monitoring System
- Augmented Reality (AR) Navigation Glasses
- Biometric Security System
- Firefighting Robot
- Precision Agriculture Drone
- Automated Greenhouse System
- Voice-Activated Smart Mirror
- Remote Health Monitoring System
- Smart Bicycle
- 3D Printer for Prosthetics
- Energy Harvesting Floor
- Automated Pet Feeder
- Air Quality Monitoring System
- Smart Parking System
- Smart City Infrastructure
- Industrial IoT (IIoT) for Factory Automation
- Smart Refrigeration System
- RFID-Based Inventory Tracking System

- Health and Fitness Wearable
- Smart Irrigation System
- GPS Tracking System for Wildlife Conservation
- Smart Classroom System
- AI-Based Personal Assistant
- Smart Garbage Bin
- Water Desalination System
- Automated Plant Watering System
- Smart Shopping Cart
- Temperature and Humidity Controlled Wine Cellar
- Smart Power Grid Management
- AR-based Maintenance and Repair Assistance
- IoT-based Home Security System
- Solar-Powered Water Purification
- Intelligent Street Lighting System
- Smart Fabrics for Wearable Tech
- Home Energy Management System
- Smart Vending Machine
- Voice-Controlled Home Theater System
- Disaster Response Drone
- Smart Refrigerator with Inventory Management
- Intelligent Waste Sorting System
- Automated Medication Dispenser
- Wearable Tech for Stress Monitoring
- Smart Clothing for Athletes
- Intelligent Traffic Light System
- AI-Based Language Translation Device
- Smart Fire Alarm System
- Smart Hotel Room Management
- Renewable Energy-Powered Street Lights
- Smart Water Heater
- Agricultural Drone for Crop Monitoring
- Smart Factory Monitoring System
- IoT-based Gas Leak Detection System
- Smart HVAC System
- Sustainable Transportation System
- AI-Based Facial Recognition Access Control
- Precision Medicine Delivery Drone
- Smart Pharmacy System
- AI-Based Educational Tutoring System

- Smart Waste Bin with Composting
- Autonomous Underwater Vehicle (AUV)
- Smart Plant Disease Detection
- Smart Public Transportation System
- IoT-Based Smart Mirror for Retail
- Renewable Energy-Powered Water Pump
- AI-Based Music Recommendation System
- Smart Car Parking Assistance
- Smart Clothing for Health Monitoring
- IoT-Based Fleet Management System
- Virtual Reality (VR) Therapy for Rehabilitation
- Smart Agriculture Monitoring System
- AI-Based Object Recognition for the Visually Impaired
- Blockchain-Based Supply Chain Tracking
- Smart Trolley for Supermarkets
- AI-Enhanced Cybersecurity System
- Automated Solar Panel Cleaning System
- Smart Elevator System
- Air Pollution Monitoring and Alert System
- Autonomous Indoor Navigation for the Visually Impaired
- Smart Home Waste Sorting System
- IoT-Based Smart Museum Experience
- AI-Based Financial Fraud Detection System
- Smart Water Conservation System
- Smart Wearable for Elderly Health Monitoring
- Automated Rooftop Gardening System
- Smart Public Restroom Management
- IoT-Based Water Leak Detection System
- Intelligent Food Packaging for Freshness Monitoring
- AI-Driven Predictive Maintenance for Machinery
- Smart Fishing Gear for Sustainable Practices
- Automated Ski Resort Management System
- IoT-Based Inventory Management for Retail
- AI-Based Personalized Learning Platform
- Renewable Energy-Powered Desalination Plant
- Smart Hydroponic Vertical Farming System
- Smart Weather Station for Agricultural Planning
- IoT-Based Traffic Accident Detection and Reporting System
- AI-Powered Wildlife Monitoring and Conservation
- Smart Aquaponics System for Sustainable Farming

- Automated Parcel Sorting System for Logistics
- AI-Based Emotional Well-being App
- Smart Recycling Bin with Incentive System
- Intelligent Solar Tracking System
- IoT-Based Emergency Response System
- Smart Cattle Monitoring and Tracking
- Automated Indoor Vertical Farming System
- AI-Based Personal Finance Management App
- Smart Composting System for Urban Areas
- IoT-Based Elderly Care Monitoring
- Autonomous Fire Extinguishing Drone
- Smart Kitchen Garden for Urban Dwellers
- AI-Powered Noise Pollution Monitoring System
- IoT-Based Real-time Language Translation Device
- Smart Anti-Theft System for Bicycles
- Renewable Energy-Powered Desalination Backpack for Hiking
- AI-Based Sentiment Analysis for Social Media
- IoT-Based Home Brewery Monitoring System
- Automated Rooftop Solar Panel Cleaning Drone
- Smart Home Energy-Efficiency Management
- AI-Powered Wildlife Poaching Prevention System
- IoT-Based Water Quality Monitoring in Rivers
- Smart Traffic Cone for Real-time Road Information
- Automated Agricultural Harvesting Robot
- AI-Based Early Detection System for Forest Fires
- IoT-Based Smart Locker System for Deliveries
- Smart Helmet for Construction Workers
- Renewable Energy-Powered Water Filtration System
- AI-Based Fraud Detection in Online Transactions
- IoT-Based Smart Bike Helmet for Safety
- Automated Beekeeping Monitoring System
- Smart Paint for Road Safety
- AI-Powered Personalized Recipe Generator
- IoT-Based Smart Bus Shelter with Information Display
- Smart Electric Blanket with Temperature Control
- Renewable Energy-Powered Portable Water Purifier
- AI-Based Customer Support Chatbot
- IoT-Based Disaster Evacuation Route Planning
- Smart Parking Garage Management System
- Automated Solar Panel Installation Robot

- AI-Powered Language Learning App
- IoT-Based Smart Locker System for Gym
- Smart Air Purification System for Indoor Spaces
- Renewable Energy-Powered Outdoor Charging Stations
- AI-Based Personalized News Recommendation System
- IoT-Based Smart Waste Sorting Bins for Events
- Automated Wind Turbine Blade Inspection Drone
- Smart Hydroponic Wall for Urban Spaces
- AI-Powered Skin Cancer Detection App
- IoT-Based Smart Stadium for Enhanced Fan Experience
- Smart Refrigerated Medicine Storage for Pharmacies
- Renewable Energy-Powered Outdoor Wi-Fi Hotspots
- AI-Based Inventory Demand Prediction System
- IoT-Based Smart Walking Stick for the Visually Impaired
- Automated Drone-based Rooftop Inspection System
- Smart Mirror with Virtual Try-On for Fashion
- AI-Powered Mental Health Counseling Chatbot
- IoT-Based Smart Public Bicycle System
- Renewable Energy-Powered Mobile Charging Kiosk
- Smart Green Roof System for Sustainable Buildings
- Automated Robotic Window Cleaner for Skyscrapers
- AI-Based Personalized Fitness Training App
- IoT-Based Smart Trash Compactor for Public Spaces
- Smart Outdoor Lighting System with Motion Sensors
- Renewable Energy-Powered Water Pump for Rural Areas
- AI-Powered Predictive Maintenance for Elevators
- IoT-Based Smart Water Dispenser
- Automated Drone-based Agricultural Pest Control
- Smart Mirror for Virtual Makeup Try-On
- AI-Based Emergency Response App for Natural Disasters
- Renewable Energy-Powered Smart Bus Stops
- IoT-Based Smart Kiosk for City Information
- Smart Hiking Backpack with Energy Harvesting
- Automated Robotic Bartender for Events and Parties.
- AI-Powered Language Translation Device for Tourists
- IoT-Based Smart Bird Feeder with Species Recognition
- Smart Refrigerated Lockers for Contactless Food Pickup
- Renewable Energy-Powered Water Fountain with Filtration
- AI-Based Traffic Prediction System for Urban Planning
- IoT-Based Smart Shopping Assistant

- Automated Drone-based Search and Rescue Operation
- Smart Mirror for Physical Fitness Assessment
- AI-Powered Personalized Book Recommendation System
- Renewable Energy-Powered Charging Benches in Public Spaces
- IoT-Based Smart Plant Identification System
- Smart Refrigerated Locker System for Grocery Deliveries
- Automated Drone-based Environmental Monitoring
- AI-Based Personalized Meditation App
- IoT-Based Smart Glove for Sign Language Translation
- Smart Street Furniture with Air Quality Sensors
- Renewable Energy-Powered Smart Waste Compactor
- AI-Powered Personalized Travel Itinerary Planner
- IoT-Based Smart Water Fountain with Usage Analytics
- Automated Drone-based Roof Inspection for Insurance
- Smart Mirror for Virtual Fitness Classes
- AI-Based Fraud Detection in Healthcare Billing
- Renewable Energy-Powered Outdoor Advertising Displays
- IoT-Based Smart Umbrella Sharing System
- Smart Refrigerated Vending Machine with Healthier Options
- Automated Drone-based Aerial Photography Services
- AI-Powered Social Media Content Moderation
- IoT-Based Smart Mailbox with Package Tracking
- Smart Benches with Solar-Powered Charging Stations
- Renewable Energy-Powered Outdoor Cooling System
- AI-Based Personalized Product Recommendations
- IoT-Based Smart Jacket for Emergency Situations
- Smart Refrigerated Storage for Online Grocery Orders
- Automated Drone-based Inspection of Power Lines
- Smart Mirror for Virtual Home Decor Preview
- AI-Powered Job Matching Platform
- Renewable Energy-Powered Public Wi-Fi Hotspots
- IoT-Based Smart Trash Bin for Recycling Awareness
- Smart Navigation System for Shopping Malls
- Automated Drone-based Agricultural Crop Monitoring
- AI-Based Personalized Artwork Recommendations
- IoT-Based Smart Fishing Rod with Real-time Data
- Renewable Energy-Powered Smart Bus Shelters
- Smart Refrigerated Lockers for Medication Pickup
- Automated Drone-based Wildlife Conservation Surveillance
- AI-Powered Language Learning Chatbot

- IoT-Based Smart Baby Monitor
- Smart Bicycle Helmet with Built-in Navigation
- Renewable Energy-Powered Street Vendor Carts
- Automated Drone-based Surveying and Mapping
- Smart Mirror for Virtual Hair Styling Consultation
- AI-Based Personalized Podcast Recommendation
- IoT-Based Smart Trash Bin for Compostable Waste
- Smart Sign Language Interpreter Glove
- Renewable Energy-Powered Outdoor Fitness Equipment
- Automated Drone-based Forest Fire Prevention
- Smart Refrigerated Locker System for Meal Prep Services
- AI-Powered Environmental Impact Assessment
- IoT-Based Smart Soccer Ball for Training
- Smart Sunscreen Application Robot for Beaches.