## [Project / Seminar Topics on Electrical Electronics Engineering with Materials](https://sparklyn.com.ng/electrical-electronics-engineering-eee-project-and-seminar-material#project_seminar_topics_on_electrical_electronics_engineering-with-materials)

**Below is the list of available proposal topics on Electrical Electronics Engineering (EEE) that can be selected for proposal write-up submission.**

### [List of Available Topics on Electrical Electronics Engineering](https://sparklyn.com.ng/electrical-electronics-engineering-eee-project-and-seminar-material#list_of_available_topics_on_electrical_electronics_engineering)

[**Construction of Magnetic Circuit Coupled 3-Phased Power Protection Scheme**](https://sparklyn.com.ng/construction-of-magnetic-circuit-coupled-3phased-power-protection-scheme-1890-d)

[**Construction of 1000W Pure sine Wave Inverter using Microprocessor**](https://sparklyn.com.ng/construction-of-1000w-pure-sine-wave-inverter-using-micropro-23659-d)

[**Design and Construction of an Alternative Household Power Generating System**](https://sparklyn.com.ng/design-and-construction-of-an-alternative-household-power-generating-system-3755-d)

[**Submitted in Partial Fulfillment of the Requirement for the Award of Bachelor of Engineering**](https://sparklyn.com.ng/submitted-in-partial-fulfillment-of-the-requirement-for-the-award-of-bachelor-of-engineering-3717-d)

[**Construction of a Micro Controlled Bird (Chicken) Incubator**](https://sparklyn.com.ng/construction-of-a-micro-controlled-bird-chicken-incubator-1910-d)

[**Contruction of Battery Charge Control for Photovoltaic Systems**](https://sparklyn.com.ng/contruction-of-battery-charge-control-for-photovoltaic-syste-19115-d)

[**Project Report on Microcontroller Based Smoke Detector**](https://sparklyn.com.ng/project-report-on-microcontroller-based-smoke-detector-19075-d)

[**Design and Construction of Automatic Three Phase Selector System**](https://sparklyn.com.ng/design-and-construction-of-automatic-three-phase-selector-sy-19065-d)

[**Problems of Inadequate Studying and Lecturing Materials**](https://sparklyn.com.ng/problems-of-inadequate-studying-and-lecturing-materials-3668-d)

[**Design and Construction of an Energy Efficient Electric Oven**](https://sparklyn.com.ng/design-and-construction-of-an-energy-efficient-electric-oven-19151-d)

[**Design and Construction of an Electrical Robotic Train; the Control System Drive**](https://sparklyn.com.ng/design-and-construction-of-an-electrical-robotic-train-the-control-system-drive-1215-d)

[**A Maximum Powerpoint Microcontroller Based Vehicle Speed Alarm**](https://sparklyn.com.ng/a-maximum-powerpoint-microcontroller-based-vehicle-speed-ala-19128-d)

[**Design and Construction of an Automatic Change-Over Switch with Indicator That Will Switch Load From the Mains Power Supply Generator with Simplicity**](https://sparklyn.com.ng/design-and-construct-an-automatic-changeover-switch-with-indicator-that-will-switch-load-from-the-mains-power-supply-phcn-power-supply-generator-with-simplicity-3647-d)

[**An Insulation Co-Ordination Procedure for Power System Equipment**](https://sparklyn.com.ng/an-insulation-coordination-procedure-for-power-system-equipment-3623-d)

[**Enhancing a Renewable Energy System's Capacity with Solar Power Panels**](https://sparklyn.com.ng/improving-the-capacity-of-a-renewable-power-system-using-solar-power-panel-3702-d)

[**Design and Construction of 650wts Power Inverter**](https://sparklyn.com.ng/design-and-construction-of-650wts-power-inverter-3698-d)

[**Design and Construction of House Bell with Indicating Light**](https://sparklyn.com.ng/design-and-construction-of-house-bell-with-indicating-light-3654-d)

[**Construction of Low Battery Sensor Using Microprocessor with Seven Segment Display**](https://sparklyn.com.ng/construction-of-low-battery-sensor-using-microprocessor-with-seven-segment-display-1218-d)

[**Developing Biofuels Production From Food Industry Wastes in the Rural Area of Kenya**](https://sparklyn.com.ng/developing-biofuels-production-from-food-industry-wastes-in-19004-d)

[**Experimental Design and Construction of a Prototype Solar Powered Intermittent Absorption Vapor Refrigerator**](https://sparklyn.com.ng/experimental-design-and-construction-of-a-prototype-solar-po-19087-d)

[**Design and Construction of a Digital Clock**](https://sparklyn.com.ng/design-and-construction-of-a-digital-clock-19103-d)

[**Design and Construction of an Intelligent 250 Volts Battery Charger with Micro Processor Using Seven Segment Display**](https://sparklyn.com.ng/design-and-construction-of-an-intelligent-250-volts-battery-charger-with-micro-processor-using-seven-segment-display-1897-d)

[**Design and Construction of a Central Wireless Switch That Controls the Entire Appliances (A Case Study of Electrical and Electronic Engineering Esut General Office)**](https://sparklyn.com.ng/design-and-construction-of-a-central-wireless-switch-that-co-19060-d)

[**Generation of Constant Power Supply From a Dc Source**](https://sparklyn.com.ng/generation-of-constant-power-supply-from-a-dc-source-19090-d)

[**Construction of a 200-watt Solar Power System**](https://sparklyn.com.ng/design-and-installation-of-200-watt-solar-power-system-3699-d)

[**Design and Construction of Micro Controller Based Programmable Dot Matrix Advert Display System**](https://sparklyn.com.ng/design-and-construction-of-micro-controller-based-programmab-23787-d)

[**The Design of Ikenegbu Owerri Electrification Project**](https://sparklyn.com.ng/the-design-of-ikenegbu-owerri-electrification-project-1882-d)

[**Electrical Resistivity and the Flow of Current on Engine Oil Samples**](https://sparklyn.com.ng/electrical-resistivity-and-the-flow-of-current-on-engine-oil-19035-d)

[**Design and Construction of Electronic Display Board**](https://sparklyn.com.ng/design-and-construction-of-electronic-display-board-23785-d)

[**Construction of FM Transmitter**](https://sparklyn.com.ng/construction-of-fm-transmitter-24252-d)

[**Line Losses Minimization in Electrical Power Network Using Particle Swarm Optimization**](https://sparklyn.com.ng/line-losses-minimization-in-electrical-power-network-using-particle-swarm-optimization-3610-d)

[**Design and Implementation of Gas Detection System Using Gsm Networkdesign and Implementation of Gas Detection System Using Gsm Network**](https://sparklyn.com.ng/design-and-implementation-of-gas-detection-system-using-gsm-19057-d)

[**Design and Fabrication of Mini Copula Furnace and an Atomizer for the Production of Powdered Metal From Waste Aluminium Cans**](https://sparklyn.com.ng/design-and-fabrication-of-mini-copula-furnace-and-an-atomizer-for-the-production-of-powdered-metal-from-waste-aluminium-cans-3676-d)

[**Energy Optimization At GSM Base Station Sites Located in Rural Areas**](https://sparklyn.com.ng/energy-optimization-at-gsm-base-station-sites-located-in-rural-areas-3620-d)

[**Ac Power Supply Using Solar System**](https://sparklyn.com.ng/ac-power-supply-using-solar-system-19061-d)

[**Construction of a 2.5Kw Uninterruptible Power Supply (UPS) System**](https://sparklyn.com.ng/construction-of-a-25kw-uninterruptible-power-supply-ups-system-1911-d)

[**A Maximum Powerpoint Tracking Scheme for Stand-Alone Solar Energy Based Power Supply**](https://sparklyn.com.ng/a-maximum-powerpoint-tracking-scheme-for-standalone-solar-energy-based-power-supply-3664-d)

[**Design and Construction of AC Voltmeter Using Computer Interface**](https://sparklyn.com.ng/design-and-construction-of-ac-voltmeter-using-computer-interface-1933-d)

[**Development of a Novel Algorithm for Voltage Stability Assessment Using Synchrophasors**](https://sparklyn.com.ng/development-of-a-novel-algorithm-for-voltage-stability-assessment-using-synchrophasors-3597-d)

[**Prospects of Wind Energy Generation in Nigeria**](https://sparklyn.com.ng/prospects-of-wind-energy-generation-in-nigeria-1907-d)

[**Reliability Evaluation of Secondary Distribution System in Nigeria (A Case Study of Ayetoro 1 Substation, Aguda, Lagos State)**](https://sparklyn.com.ng/reliability-evaluation-of-secondary-distribution-system-in-n-18981-d)

[**Design and Construction of a Remote Control Switching Device for Household Appliances Application**](https://sparklyn.com.ng/design-and-construction-of-a-remote-control-switching-device-for-household-appliances-application-3749-d)

[**Construction of Car Touch Intruder Alarm**](https://sparklyn.com.ng/construction-of-car-touch-intruder-alarm-3695-d)

[**Design and Construction of an Automatic Changeover Switch for Three Power Sources with Load Management**](https://sparklyn.com.ng/design-and-construction-of-an-automatic-changeover-switch-fo-17927-d)

[**Microcontroller Based On/Off Electrical Appliance Via Serial Port**](https://sparklyn.com.ng/microcontroller-based-onoff-electrical-appliance-via-serial-19094-d)

[**Assessment of Systems Reliability Performance of PHCN (A Case Study of Diobu District (Port Harcourt) Distribution Network)**](https://sparklyn.com.ng/assessment-of-systems-reliability-performance-of-phcn-a-case-study-of-diobu-district-port-harcourt-distribution-network-1925-d)

[**Design and Construction of a 12 Volts Authomatic Battery Charger**](https://sparklyn.com.ng/design-and-construction-of-a-12-volts-authomatic-battery-cha-19055-d)

[**Dynamic Resource Allocation Scheme for Enterprise-Wide Network**](https://sparklyn.com.ng/dynamic-resource-allocation-scheme-for-enterprisewide-network-3682-d)

[**Construction of Step Up Transformer with Multi Output**](https://sparklyn.com.ng/construction-of-step-up-transformer-with-multi-output-19116-d)

[**Development of an Automatic Street Light Control System**](https://sparklyn.com.ng/development-of-an-automatic-street-light-control-system-23808-d)

[**Construction of 1kva Inverter Using Solar Panel**](https://sparklyn.com.ng/construction-of-1kva-inverter-using-solar-panel-3643-d)

[**Design and Construction of Automatic Change Over Switch with Indicator**](https://sparklyn.com.ng/design-and-construction-of-automatic-change-over-switch-with-indicator-3622-d)

[**Design and Construction of Radio Frequency Gsm Signal Jammer**](https://sparklyn.com.ng/design-and-construction-of-radio-frequency-gsm-signal-jammer-19014-d)

[**Design and Construction of a 2000W Inverter**](https://sparklyn.com.ng/design-and-construction-of-a-2000w-inverter-1917-d)

[**Construction of Fm Wireless Microphone**](https://sparklyn.com.ng/construction-of-fm-wireless-microphone-19034-d)

[**Optimization Technique in Cellular Network**](https://sparklyn.com.ng/optimization-technique-in-cellular-network-1942-d)

[**Contingency Analysis of the Eastern Part of Nigeria Grid Network (330Kv) Via Load Flow Using NEPLAN**](https://sparklyn.com.ng/contingency-analysis-of-the-eastern-part-of-nigeria-grid-network-330kv-via-load-flow-using-neplan-1885-d)

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[**Design and Construction of a Microcontroller Based Security System with Intruder Position Display**](https://sparklyn.com.ng/design-and-construction-of-a-microcontroller-based-security-system-with-intruder-position-display-3756-d)

[**Cellular Network Call Handover Radio Channels Reservation Model Using Matlab**](https://sparklyn.com.ng/cellular-network-call-handover-radio-channels-reservation-mo-19022-d)

[**Application of Artificial Neural Network for Enhanced Power Systems Protection on the Nigerian 330kv Network**](https://sparklyn.com.ng/application-of-artificial-neural-network-for-enhanced-power-systems-protection-on-the-nigerian-330kv-network-3667-d)

[**Design and Implementation of a Radio Controlled Car Lock with 5-Min**](https://sparklyn.com.ng/design-and-implement-a-radio-controlled-car-lock-with-5min-19136-d)

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[**Construction of Frequency Modulator Transmitter**](https://sparklyn.com.ng/construction-of-fm-transmitter-1892-d)

[**Construction of 150 Watts 162 Audio Loudspeaker**](https://sparklyn.com.ng/construction-of-150-watts-162-audio-loudspeaker-3670-d)

[**Leadership Behavior of Technical Secondary School Principal and Productivity in Aba Urban**](https://sparklyn.com.ng/leadership-behavior-of-technical-secondary-school-principal-19028-d)

[**Design and Construction of a Single Phase Automatic Change Over Switch with Phase Selector**](https://sparklyn.com.ng/design-and-construction-of-a-single-phase-automatic-change-o-19082-d)

[**The Construction of a Transmitter System**](https://sparklyn.com.ng/design-and-construction-of-a-transmitter-3652-d)

[**Design and Construction of an Ac-Dc Power Supply Trainer Board**](https://sparklyn.com.ng/design-and-construction-of-an-acdc-power-supply-trainer-boar-19153-d)

[**Rehabilitation of Air Conditioning 1.5 HP**](https://sparklyn.com.ng/rehabilitation-of-air-conditioning-15-hp-24105-d)

[**The Development of a 200W Uninterruptible Power Supply**](https://sparklyn.com.ng/construction-of-200w-uninterruptible-power-supply-3605-d)

[**Implementation of an Automatic Fire Detection and Alarm System**](https://sparklyn.com.ng/implementation-of-an-automatic-fire-detection-and-alarm-syst-19132-d)

[**Design and Construction of Digital Egg Incubator**](https://sparklyn.com.ng/digital-incubator-3732-d)

[**thermal Modelling of Induction Machine Using the Lumped Parameter Model**](https://sparklyn.com.ng/thermal-modelling-of-induction-machine-using-the-lumped-parameter-model-3636-d)

[**Design and Construction of Single Phase Automatic Change Over Switch From Generator to Power Holding Company of Nigeria (P.H.C.N)**](https://sparklyn.com.ng/design-and-construction-of-single-phase-automatic-change-over-switch-from-generator-to-power-holding-company-of-nigeria-phcn-3709-d)

[**Design and Construction of 1000VA Automatic Voltage Regulation**](https://sparklyn.com.ng/design-and-construction-of-1000va-automatic-voltage-regulation-3619-d)

[**Design and Construction of a Variable A.C. Voltage Source with Digital Display**](https://sparklyn.com.ng/design-and-construction-of-a-variable-ac-24407-d)

[**Design and Construction of a 2Kva Inverter with Two Solar Panels**](https://sparklyn.com.ng/design-and-construction-of-a-2kva-inverter-with-two-solar-panels-3680-d)

[**An Examination of the Contribution of Real Property Related Services to Gross Domestic Product in Nigeria**](https://sparklyn.com.ng/an-examination-of-the-contribution-of-real-property-related-services-to-gross-domestic-product-in-nigeria-3686-d)

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[**The Design and Construction of 2kva Inverter**](https://sparklyn.com.ng/the-design-and-construction-of-2kva-inverter-3679-d)

[**Development of Multicast Algorithm for the Determination of Minimum Cost of Bandwidth Over Coded Packet Wireless Network**](https://sparklyn.com.ng/development-of-multicast-algorithm-for-the-determination-of-18986-d)

[**Construction of a 950 Watt Fuel-Less Generator**](https://sparklyn.com.ng/construction-of-a-950-watt-fuelless-generator-19026-d)

[**Design and Construction of a Single Phase Auto Transformer of Rating Ikva 240V/110 80 12V 6V**](https://sparklyn.com.ng/design-and-construction-of-a-single-phase-auto-transformer-of-rating-ikva-240v110-80-12v-6v-3735-d)

[**Construction of Touch Activated Switch Using Microprocessor and Seven Segment Display**](https://sparklyn.com.ng/construction-of-touch-activated-switch-using-microprocessor-and-seven-segment-display-1934-d)

[**Construction of a Microcontroller Based T-Junction Traffic Light Controller**](https://sparklyn.com.ng/construction-of-a-microcontroller-based-tjunction-traffic-light-controller-3606-d)

[**Construction of Power Failure Indicator with Automatic Changeover**](https://sparklyn.com.ng/construction-of-power-failure-indicator-with-automatic-changeover-1889-d)

[**Construction of a Cell Phone Signal Detector**](https://sparklyn.com.ng/construction-of-a-cell-phone-signal-detector-19033-d)

[**Design and Construction of 5kva Power Inverter**](https://sparklyn.com.ng/design-and-construction-of-5kva-power-inverter-3708-d)

[**Applications of Stepper Motors**](https://sparklyn.com.ng/applications-of-stepper-motors-19062-d)

[**Solar Powered Security Lighting System**](https://sparklyn.com.ng/solar-powered-security-lighting-system-1385-d)

[**Construction of a Full-Duplex Intercom System**](https://sparklyn.com.ng/construction-of-a-fullduplex-intercom-system-1386-d)

[**Construction of an Adjustable Electronic Flasher**](https://sparklyn.com.ng/construction-of-an-adjustable-electronic-flasher-19105-d)

[**Design and Construction of Amplitude Modulation Receiver**](https://sparklyn.com.ng/design-and-construction-of-amplitude-modulation-receiver-1931-d)

[**Assessing the Effect of Packet Size on Proactive Mobile Ad Hoc Network Routing Protocols**](https://sparklyn.com.ng/assessing-the-effect-of-packet-size-on-proactive-mobile-ad-h-18995-d)

[**Design and Construction of a Microcontroller Programmable Based Water Heater with Temperature**](https://sparklyn.com.ng/design-and-construction-of-a-microcontro-24406-d)

[**Construction of a Vehicle Speed Alarm Based on a Microcontroller**](https://sparklyn.com.ng/construction-of-microcontroller-based-vehicle-speed-alarm-3650-d)

[**Design and Construction of an Inverter Type Arc Welding Machine**](https://sparklyn.com.ng/design-and-construction-of-an-inverter-type-arc-welding-machine-3692-d)

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