



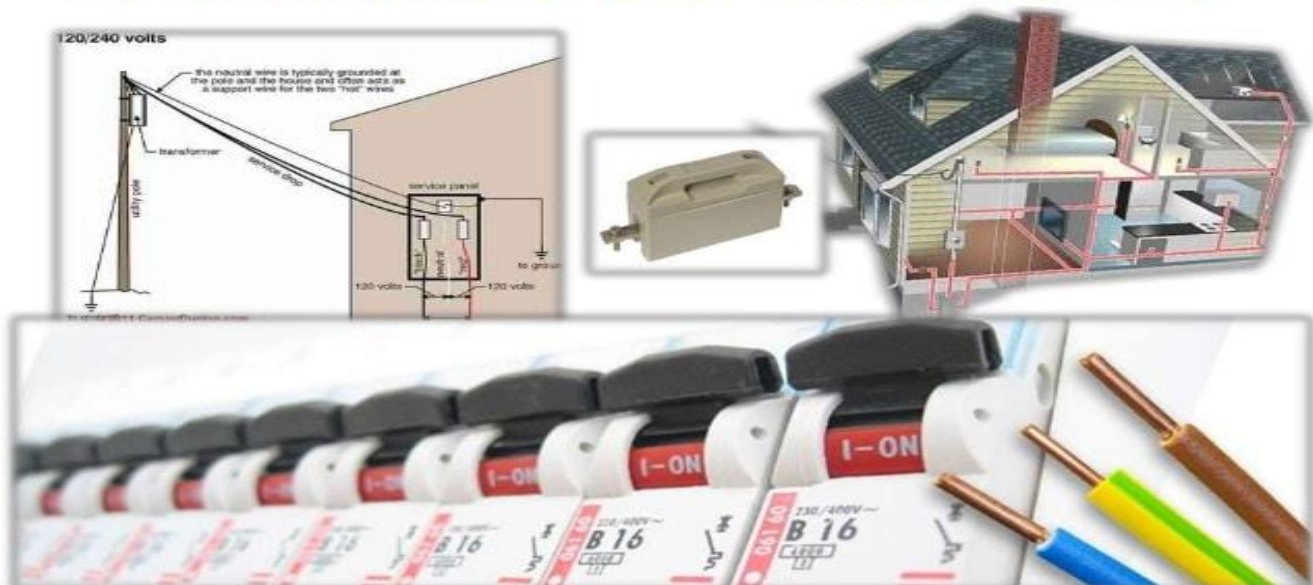
**Name of the Program(s): - Diploma in House Electrician (DHE),
Diploma in Electrical Wiring in Residential Buildings (DEWRB),
Diploma in Domestic House Wiring (DDHW).**

Are you interested in earning your Diploma in House Electrician and Diploma in Electrical Wiring in Residential Buildings or Diploma in Domestic House Wiring Professional degree? (DHE or DEWRB or DDHW)™ certification, but you're unsure how to start the process? While this is a great step for your individual career, it doesn't have to be a complex one really if you study from GEPEA. This is the ultimate guide on DHE™ or DEWRB™ or DDHW™ certification and it can be your easy roadmap for navigating this process. You may explore some common questions you might have about international House Electrician, Electrical Wiring in Residential Buildings, Domestic House Wiring certification holder.

Why Study House Electrician or Electrical Wiring in Residential Buildings?

Homes typically have several kinds of home wiring, including electrical wiring for lighting and power distribution, permanently installed and portable appliances, etc. Some places allow the homeowner to install some or all of the wiring in a home; other jurisdictions require electrical wiring to be installed by licensed electricians only. The prime reason is that, this certification and diploma holders have wide scope to do jobs or self-employed jobs or short or long term contract based jobs.

DOMESTIC WIRING



HOUSE ELECTRICIAN OR ELECTRICAL WIRING OR ELECTRICAL WIRING IN RESIDENCIAL BUILDINGS TRANINGS

Training Hours: 70 hours.

Program Duration: 4 Months Diploma Program.

Admission Requirements: A diploma or an associate degree in general science or science (or global equivalent), Secondary degree (high school diploma, associate degree, or the global equivalent).

Other Requirements: Any Science related degree are needed to take this course, but have some extra skills using laptop/computer and internet, E-mail for communications will help.

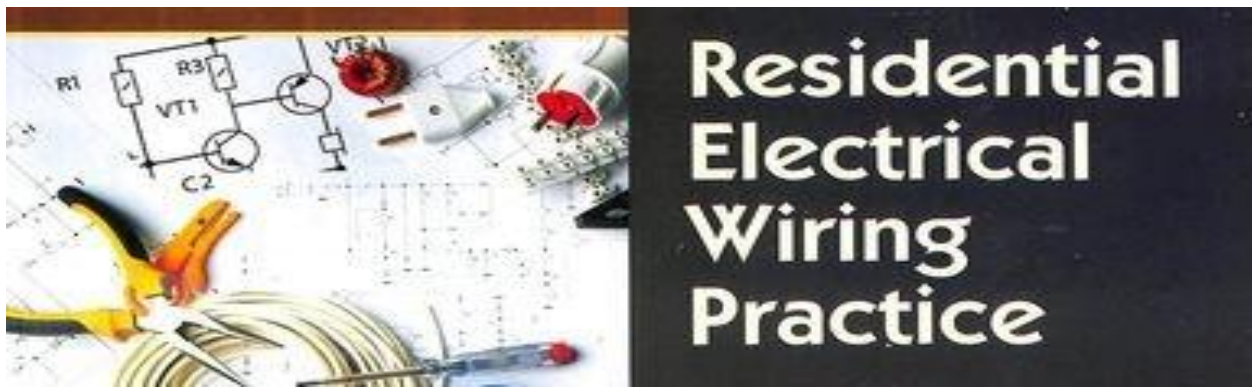
Training Delivery: The course duration will comprise 70 hours of self-study home based delivery through Email/online distance learning. The 70 hours will be delivered in 6 to 7 sessions online distance learning based on given course materials.

Syllabus Outline

Serial No.	Syllabus component	Assignment TMA (Tutor Mark Assignment) or Case Study	Board Questions (OBS = Open Book System) Exam.	MCQ (Multiple Choice Questions) 10 Questions (each @ 2 marks)
	6 parts will count 8 hours each (6 parts/courses x 8 hours study each = 48 hours total) + Project Exercises Minimum 22 hours = Grand Total 70 Hours.	45	35	20
1	Diploma in House Electrician (DHE), Diploma in Electrical Wiring in Residential Buildings (DEWRB), Diploma in Domestic House Wiring (DDHW).	<i>70 Hours (Time)</i>		
	SEMESTER -1 1. <u>Fundamentals of Electricity:</u> Electric Theory, Quantities and Circuit Elements Atoms, Electrons, Charge Conductors and Insulators Insulator Characteristics Current Direct Current (DC) Alternating Current (AC) Typical Current Levels Voltage Voltage Sources Sample Voltage Levels	45 <i>8 Credit Hours Per Subject</i>	35	20

	<p>Power (P) Sample Power Calculation Magnetism and Electromagnetism Electromagnetic Induction Creation of Voltage Basic Transformer Operation Circuit Components and Properties Circuit Analysis Ohm's Law Kirchhoff's Laws Generating AC Current RMS Values Phase Relationship Impedance Resistance, Inductance, Capacitance Resistive Circuits – Watts Complex Power Voltage Collapse etc.</p> <p><u>2. The Complete Guide to Electrical Wiring:</u></p> <p>Working safely with wiring Wire, Cable and Conduit Boxes and Panels Switches Receptacles Preliminary work Circuit Maps Common Wiring Projects Repair Projects etc.</p> <p><u>3. Basic Concept of House Wiring and ELECTRICAL SAFETY:</u></p> <p>Some basics: What is Electricity? Importance of Electricity Some common terms used House Wiring (Single Phase) House Wiring (Single Phase) Wiring Diagram Circuit, Types of Circuit Functions of different items used in house wiring Double Pole (DP) or Single Pole and Neutral Miniature Circuit Board (SPN MCB) DP Isolator Poly Vinyl Chloride (PVC) Wires Accessories Single line diagram for circuits (Single Phase) Earthing Tools Used Some Important Tips</p> <p><u>4. AC DC or Alternating Current and Direct Current:</u></p> <p>Direct current / alternating current (DC / AC) Definitions Advantage and Disadvantage of AC and DC AC transmission from Power plant to Home etc.</p>	<p><i>8 Credit Hours Per Subject</i></p> <p><i>8 Credit Hours Per Subject</i></p>		
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	<p>5. Electrical work materials name and pictures Casing capping wiring accessories https://www.youtube.com/watch?v=6hS3cH-lB9Y</p> <p>6. How to Twist Electric Wire Together https://www.youtube.com/watch?v=N8F6KcfB9Go https://www.youtube.com/watch?v=KHsZcBBYftE</p> <p>7. Complete Electrical House Wiring / Single Phase Full House Wiring Diagram https://www.youtube.com/watch?v=srxGewy_hLU</p> <p>8. How To Wire A House; Episode 5 - Home Runs https://www.youtube.com/watch?v=H4TBNvVpxqk</p> <p>9. Bedroom wiring house wiring https://www.youtube.com/watch?v=xMpVO3e_Ol4</p> <p>10. stair lighting connection with motion sensors wiring diagram https://www.youtube.com/watch?v=mlJgO9ZnclA</p> <p>11. 1 Light 4 Switch Connection Wiring Diagram https://www.youtube.com/watch?v=a3Qf6IaUgJ8</p> <p>12. Electrical Wiring Design of Residential Building https://www.youtube.com/watch?v=lf_qfAjeI0s</p> <p>13. House Wiring Electrical Main Board https://www.youtube.com/watch?v=ph49HTYkg8M</p> <p>14. How ELECTRICITY works - working principle https://www.youtube.com/watch?v=mc979OhitAg</p> <p>15. Home Electrical Wiring Basics - Tutorial https://www.youtube.com/watch?v=KnqMJeNN1ug</p>			
	Project/Thesis/Case Studies			
	<p>Student have to take a Project/Thesis/Case studies as per their major subject in order to complete his/her Diploma/House Electrician.</p> <ul style="list-style-type: none"> In case Project/Thesis, respective students should submit 25 to 45 (A4 Size) pages long report. <i>Course Tutor or Concern Authority will assign/fix Project/Thesis Topic or Title with consultation with respective student.</i> In Case Studies, respective students should submit case studies answer script in written form to the GEPEA within stipulated time frame. <i>Concern Authority will assign case studies question paper in time.</i> 			
	<p>TOTAL HOURS REQUIRED TO BE COMPLETED FOR THE DIPLOMA IN HOUSE ELECTRICIAN OR ELECTRICAL WIRING IN RESIDENCIAL BUILDINGS= 6 parts will count 8 hours each (6 parts/courses x 8 hours study each = 48 hours total) + Project Exercises Minimum 22 hours = Grand Total 70 Hours.</p>			



What Does a House Electrician Do?

Residential electricians install, maintain, troubleshoot and repair the wiring in buildings, whether that be residential homes, offices or commercial properties. On the other hand, electrical technicians work on electrical systems within machinery, specialty equipment and other commonly used devices. More specifically, a House Electrician Installs and repairs electrical wiring, systems, and fixtures in buildings. Installs conduits and pipes to house electrical wires and cables. Ensures piping complies with electrical codes. Installs circuit breakers and other electrical hardware and connects wiring to them.

COURSE MATERIAL

Besides using the traditional books GEPEA has also modernized the learning process by providing students with online portal consisting of –

- **Study Materials (Soft copies)** – PDF of books are provided to students making studies nomadic & convenient. GEPEA Department of Students Affairs will assign Study Materials via Email or other methods after registration and admission.
- The focal point of **GEPEA** study materials is enhancing Practical Education. **GEPEA** Kit provided to applicants is a world full of practical scenarios, explanation in terms of facts rather than theoretical phrases. Customized to be self-explanatory & easy to understand.
- **Faculty Guidance** – GEPEA panel of intellectuals guide students personally with regards to any query through email about any concept in the notes provided, being the author of the same.

EXAMINATION

GEPEA Professionals are given the privilege to answer exams from any examination center in the world along with the freedom to pick the exam schedule for the same, as time permits in the particular examination months of GEPEA. Students are allotted 2 modes of examinations – Home Based/Center Based.

- Question papers would be drafted by **GEPEA** panel of veteran professors which would be TMA (Tutor Mark Assignment), OBS (Open Book System) and MCQ study pattern. A single course will consist 100 marks based on these three pattern of exam types. In each program will consist a major (Thesis Research) course or theory in order to complete the respective Diploma Program.
- This unique & novel methodology teaches a student how to assess business situations and make decisions based upon those assessments, allowing students to display their potential.
- In case of home based/distance learning exams question paper would be emailed to the students, which they would have to answer & courier back to GEPEA office or GEPEA directed authority in the respectable exam slab.
- Candidate also has the option of appearing for Center Based Examination wherein they would have to visit one of the many GEPEA exam centers & complete answering the exam in the duration of 3 hours which wouldn't be an open book examination.

CASE STUDY METHOD & STUDY MATERIAL:

Today communication systems have advanced so much that it is much easier, convenient and quicker to gain expertise via online distance learning. GEPEA offer potential students the opportunity to study through an autonomous online distance learning program. This means that people who can't get traditional further education can still achieve what they want and get their qualifications through Online Distance Learning. That gives the opportunity for a much wider range of people to get the qualifications that they want. Today, thanks to technological advances, higher education is more readily available to those who want it.

GEPEA is an institute of excellence offering widest range of autonomous programmes in the field of Business Management and different Professional Training education. In response to the rapidly changing economic environment and the process of globalization, the Academy has made sustained efforts to bring an international perspective to all its wide range of areas and activities.

BENEFITS AND FEATURES:

- (i) **Flexible Programs & Curriculum:** You can earn and study at the same time! From GEPEA International Curriculum, Flexibility is the biggest advantage of distance learning courses. This stands true especially if you are a working professional. Not everyone has the luxury of taking their own time to finish their studies. For those who had to take a break from studies to start working, such courses are a boon and provide the opportunity to pursue higher education.
- (ii) **Saves Time & Energy:** You save up a lot of time and energy on commuting. You can stay at any place and pursue a course that is available at GEPEA. Or you might be based out of a remote village or town which does not have enough options for higher studies. Distance learning courses eliminate these obstacles.
- (iii) **MCQ, Case Based Learning:** MCQ, A Case-based approach engages students in discussion of specific situations, typically real-world examples of African, Asian and International companies. Allowing the students to put their theoretical knowledge to practice.
- (iv) **Study at your own Pace:** Not everyone has the same pace of learning. Some students pick up things fast, others need time to grasp a concept. One of the biggest advantages of distance learning is that you can study at a pace that is comfortable for you.
- (v) **Saves Money:** These courses are almost always cheaper as compared to their on-campus counter-parts. You also cut down on the costs incurred while commuting etc.
- (vi) **Personal Fulfillment:** An MBA is the key to unlocking both a professionally and personally rewarding future. Education is the foundation upon which you can build lifelong business and personal achievements. The GEPEA MBA program is designed to enrich your personal life, as well as to keep you informed about a constantly changing industry.
- (vii) **Convenient:** You can submit your assignment with the click of a button or simply drop it off at a post-office! It's sometimes as simple as that!
- (viii) **24X7 Access to Study Material & fellow Students:** This is the best way to study if you are comfortable with internet and technology. You can access your study material online whenever you want and also clear doubts, exchange views and discuss with your virtual class-mates!
- (ix) **Study any Topic You Want:** Since you'd already have all your books/online study material with you, you can pick up any topic/chapter that interests you and tackle that first! This way your interest in the subject is

sustained.

- (x) **Higher Level of Self-Confidence:** The knowledge gained through our Correspondence MBA program will enhance your effectiveness in your current position and help define your future career path. It will sharpen your skills in critical business areas, giving you the self-confidence you need to become a leader in your profession.
- (xi) **Specialization:** We provide more than 80 specializations which allow students to gain additional knowledge and background on specific business topics.

ACCREDITATIONS AND RECOGNITIONS:

ITQSM Accredited & International Partnered Professional Academies.

GEPEA has proudly claimed the Excellence in Online Distance Learning Award presented by its Governing Body Really Matters as a token of appreciation for providing top notch education to professionals globally. This solely proclaims that GEPEA is one of the best Professional Academy in the field of online distance learning.

PROFESSIONAL FACULTIES:

GEPEA Faculty members are highly professional, qualified & experienced. Professors provide substantial assistance through 24*7 web support. Each & every query regarding studies, assignments, cases, projects, research are resolved on time & responded with clear, relevant answers on par with syllabus. They update themselves from time to time about the changing market scenario & syllabus. Thus working professionals have chance to get resourceful information by interacting with professors through web-support from time to time. Timely communication & assistance is key to our successful association with our students & our professors believe in same.

GEPEA (Global Educational & Professional Excellence Academy)

*In case any query, please feel free to contact us via E-Mail:
gepea.official@gmail.com , office@gepea.eu or visit Website: www.gepea.eu or
www.gepea.education*