



Name of the Program(s): - Diploma or Advanced Diploma in Motorbike Repairs (DMR/ADMR), Diploma in Motorcycle Repairs and Maintenance (DMRM), Diploma in Motorcycle Mechanic (DMM), Diploma in Motorcycle Technician (DMT), Certified Motorbike Technician (CMT), Certified Motorbike Mechanic (CMM).

Are you interested in earning your Diploma in Motorbike/Motorcycle Repairs and Maintenance Professional degree? (DMR/ADMR, DMRM)™ 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 DMR™, ADMR™, DMM/DMT/CMT/CMM™ certification and it can be your easy roadmap for navigating this process. You may explore some common questions you might have about international Motorbike/Motorcycle Repairs and Maintenance Technician certification holder.

What Does a Motorbike Technician and Motorbike Service and Repair Technician Do?

Motorcycle technicians (also called motorcycle mechanics) are small-engine repair mechanics who specialize in two- and three-wheeled vehicles like motorcycles, dirt bikes, all-terrain vehicles and mopeds. A motorcycle technician is responsible for the upkeep, maintenance and repair of small-engine vehicles.

Responsibilities specific to Motorbike/Motorcycle Repairs and Maintenance Technicians include:

A motorcycle mechanic's main duties are to service, inspect, repair and sometimes build motorcycle engines. Some duties that a motorcycle mechanic regularly performs include: Running diagnostic tests to determine what is wrong with the motorcycle, checking ignition points on a motorcycle engine, replacing spark plugs, Inspecting and replacing brakes, overhauling engines or electrical systems, Making major repairs due to an accident or neglect etc. Often times, motorcycle mechanics will test drive a motorcycle that comes in for repair. This is done to help diagnose motorcycles issues and to decide if the motorcycle has been repaired correctly after all repairs have been made.

**Diploma or Advanced Diploma in Motorbike Repairs & Maintenance
Certified Motorbike Technician (CMT)
Earn Degree through Distance Learning at**





MOTORBIKE/MOTORCYCLE REPAIRS AND MAINTENANCE TECHNICIAN
PROFESSIONAL TRAININGS

Training Hours: 70 hours.

Program Duration: 4 Months (Certifications). Motorbike/Motorcycle Technician or Mechanic Diploma program is a 4 to 6 months' course taught in distance learning /Online learning mode.

Admission Requirements: A high school 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 Electric Service and Maintenance tools will help.

Training Delivery: The course duration will comprise 70 hours of self-study home based or lecture based delivery. The 70 hours will be delivered in 6-7 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 or Advanced Diploma in Motorbike Repairs (DMR/ADMR), Diploma in Motorcycle Repairs and Maintenance (DMRM) , Diploma in Motorcycle Mechanic (DMM), Diploma in Motorcycle Technician (DMT) , Certified Motorbike Technician (CMT), Certified Motorbike Mechanic (CMM).	70 Hours (Time)		
	<p>1. <u>Motorbike Spare parts:</u></p> <p>The Basic Components & Parts of a Motorcycle:</p> <ul style="list-style-type: none"> a) https://www.cycleworld.com/story/motorcycle-tips/learn-motorcycle-anatomy/ b) https://www.bestbeginnermotorcycles.com/the-basic-components-parts-of-a-motorcycle/ c) https://en.wikipedia.org/wiki/Motorcycle_components <p>Some major spare parts & components are listed below:</p> <ol style="list-style-type: none"> 1. <u>Chassis</u> 2. <u>Motorcycle Engine</u> 3. <u>Motorcycle Transmissions</u> 4. <u>Final Drive</u> 5. <u>Wheels and Tires</u> 6. <u>Body Panels</u> 7. <u>Mudguards</u> 8. <u>Lights</u> 9. <u>Handlebars</u> 10. <u>Foot pegs</u> 11. <u>Motorcycle Brakes</u> 12. <u>Exhausts</u> <p>Abbreviations, Symbols and Acronyms: The following is a list of abbreviations, symbols, and acronyms used in the Motorcycle study guide and on the Motorcycle assessment: ° =Degree \$ =Dollar % =Percent AC =Alternating current ATV =All-terrain vehicle DC =Direct current IEP =Individualized Education Plan mm =Millimeter OEM =Original Equipment Manufacturer w =Weigh</p> <p>2. <u>Motorcycle Maintenance:</u></p> <p>Engine Design and Basic Theory Engine Cooling & Lubrication</p>	45	35	20

<p> Ignition Intake, Fuel and Exhaust Systems Clutch Transmission & Primary Drive Suspension Wheels and Tires Brakes Frame & Steering Charging System and Battery Lights, switches and Instruments Cleaning, Setting up and Storage Troubleshooting </p> <p> <u>3. Motorcycle Troubleshooting:</u> Motorcycle Troubleshooting – Four Stroke </p> <p> Resources: https://www.cyclepedia.com/four-stroke-motorcycle-troubleshooting-guide/ </p> <p> MOTORCYCLE TROUBLESHOOTING: OPERATING REQUIREMENTS EMERGENCY TROUBLESHOOTING ENGINE NOISES ENGINE STARTING Engine Fails to Start ENGINE PERFORMANCE ENGINE LUBRICATION TRANSMISSION CLUTCH CHARGING SYSTEM STARTING SYSTEM ELECTRICAL PROBLEMS IGNITION SYSTEM EXCESSIVE VIBRATION FRONT SUSPENSION AND STEERING BRAKE PROBLEMS https://www.classiccycles.org/media/DIR_1205589/DIR_1293093/3e8205c5dfb26350ffff8ac6ffffe417.pdf </p> <p> How to Diagnose & Fix Common Motorcycle Problems? https://www.stcharlesharleydavidson.com/blog/how-to-diagnose-and-fix-common-motorcycle-problems--34132 </p> <p> <u>4. 2 Stroke and 4 Stroke Engine, Service & Repair:</u> </p> <p> Difference between 2 Stroke and 4 Stroke Engine: Course: https://www.berrymannproducts.com/two-stroke-vs-four-stroke-engines/ General Information Technical Tips Tools Requirements Lubrication Requirements: Engine Chassis Cable Routing Diagram Body Exploded View Body Cover and Exhaust System Lubricating System </p>	<p>8 Credit Hours Per Subject</p>		
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	<p>Fuel System Engine Removal and Installation Cylinder Head Valve Cylinder and Piston etc.</p> <p><u>5. The Definitive Visual History – Motorbike:</u></p> <p>BEFORE 1920 THE 1920S THE 1930S THE 1940S THE 1950S THE 1960S THE 1970S THE 1980S THE 1990S FROM 2000S THE ENGINE How an Engine Works (FOUR-STROKE ENGINES) 294 FOUR-STROKE ENGINE COMPONENTS 295 Engine Types (Honda, Yamaha, MBW) 296-297 Harley-Davidson X8A Air-cooled Single cylinder 298 Lambretta LD 150 Air-cooled Two-stroke 300 -301 BSA A10 Golden Flash Air-cooled Twin 302 Vincent Rapide V-twin 304 Yamaha YZF–R1 In-line Four 306</p> <p><u>6. Motorcycle and ATV Engine Configurations:</u></p> <p>How motorcycle engines are rated Two Stroke Engine Design Two Stroke Engine Configuration Four Stroke Engine Design Four Stroke Engine Configuration</p> <p><u>OPTIONAL/ADDITIONAL SUBJECTS (For Advanced Diploma Any one/Two subjects can be chosen):</u></p> <p>### How to Motorcycle Repair ### Electrical Fundamentals ### Automotive workshop basic ### Electrical system of motorcycle</p> <p><u>FOLLOWING ADDITIONAL TASKS SHOULD HAVE TO DONE BY PARTICIPANTS OR STUDENTS:</u></p> <ol style="list-style-type: none"> Motorbike Repairs and Maintenance, Certified Motorbike Technician Certification Test MCQ Questions answer practicing Motorbike Repairs and Maintenance, Certified Motorbike Technician Certification Test Board Questions/TMA (Tutor Mark Assignment) Motorbike Repairs and Maintenance, Certified Motorbike Technician Certification Case Studies 	<p><i>8 Credit Hours Per Subject</i></p>		
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	<p>Exercises and projects/ Internship (1 to 2 weeks): <u>Recommended Workshop Practice to your nearby Workshop to boost your theoretical skills into practical experience.</u></p> <p>Videos on Motorbike/Motorcycle Repairs & Maintenance and technicians:</p> <p>i) Mechanic Crash Course https://www.youtube.com/watch?v=rL6O-jHjSp8</p> <p>ii) Complete Motorcycle Build in 15 Minutes https://www.youtube.com/watch?v=B59d9r7n_iU</p> <p>iii) Basic Parts of a Motorcycle https://www.youtube.com/watch?v=PW5HRIhR_tY</p> <p>iv) How Motorcycles Work - The Basics https://www.youtube.com/watch?v=mdOJ717PKRc</p> <p>v) Motorcycle Maintenance for Beginners - What You Need to Know https://www.youtube.com/watch?v=C3pipJRwyrk</p> <p>vi) Assembling Complete CD-70/SR-70 Hi-Speed Motorcycle Replacing Old Parts with Brand New Parts. https://www.youtube.com/watch?v=V1g8KSmWAm4</p> <p>vii) MOTIVATIONAL VIDEO: How to Become a Motorcycle Mechanic with No School? https://www.youtube.com/watch?v=-BAPxyksLjs</p> <p>VIII) Top tips to starting mechanics https://www.youtube.com/watch?v=Gbg6tWpRe5o</p> <p>IX) 70cc Galaxy Motorcycle Engine Assembling Process in a Factory https://www.youtube.com/watch?v=UQifSdNHT5k</p> <p>x) Reasons Why Your Motorcycle Won't Start https://www.youtube.com/watch?v=i1FjcfOpmDA</p> <p>xi) Touring the Garage of Bikes https://www.youtube.com/watch?v=4VSrpR3b2CE</p> <p>xii) 3 Tips for Becoming a Better Motorcycle Mechanic https://www.youtube.com/watch?v=XVGMvA-m5Fw</p> <p>xiv) Motorcycle Workshop Tour https://www.youtube.com/watch?v=u_tpis8b1ps</p> <p>xv) 2 STROKE VS 4 STROKE Which is Better https://www.youtube.com/watch?v=Nt-dAN6qFWI</p>			
	<p>Project/Thesis/Case Studies</p>			
	<p>Student have to take a Project/Thesis/Case studies as per their major subject in order to complete his/her Diploma/Advanced Diploma.</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 MOTORBIKE OR MOTORCYCLE REPAIRS AND MAINTENANCE DIPLOMA OR ADVANCED DIPLOMA & MECHANIC/TECHNICIAN PROFESSIONAL CERTIFICATIONS = 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>			
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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*