



# KHIDMAH AUTOMOBILE

SERVICE & TRUST | COMPLETE AUTOMOBILE SOLUTION

## 20-Class Automobile Training Program

Week	Class	Theory Focus	Practical Focus
1	1	Introduction to Automobile Systems	Workshop safety, tool familiarization
1	2	Engine fundamentals (IC engines, hybrid basics)	Engine teardown & assembly demo
2	3	Fuel systems (carburetor, EFI, GDI)	Injector cleaning & fuel rail inspection
2	4	Lubrication & cooling systems	Oil change, coolant flush, radiator check
3	5	Transmission systems (manual, automatic, CVT)	Gearbox inspection & clutch adjustment
3	6	Suspension & steering	Wheel alignment, shock absorber test
4	7	Brake systems (ABS, disc, drum)	Brake pad replacement, ABS fault scan
4	8	Electrical systems (battery, starter, alternator)	Multimeter testing, wiring harness check
5	9	Vehicle electronics (ECU, sensors, OBD-II)	OBD scanner diagnostics basics
5	10	Hybrid & EV fundamentals	Battery pack demo, inverter basics
Mid Term (Theory 1 Hour, Practical 1hour)			
6	11	HVAC systems in automobiles	AC recovery machine demo
6	12	Body & chassis	Dent & paint basics
7	13	Automotive materials & manufacturing	Welding practice, sheet metal work
7	14	Safety systems (airbags, crash sensors)	Airbag module inspection

8	15	Emission control & sustainability	EGR system demo, Catalytic converter demo
8	16	Workshop management & documentation	Job card preparation, service record
9	17	Advanced diagnostics	Case study: Toyota C-HR hybrid fault
9	18	Performance tuning basics	Tuning demo
10	19	Entrepreneurship in automotive service	Branding, customer handling
10	20	Final project & evaluation	Students perform supervised repair/service
End of the training and certificate distribution			

#### Mid-Term (Week 5, extra 2 sessions)

- Theory Exam → Covers Classes 1–8.
- Practical Exam → Tasks: injector cleaning, brake pad replacement, electrical testing.

#### Final (Week 10, extra 2 sessions)

- Theory Exam → Covers Classes 9–20.
- Practical Exam → Full diagnostic + job card/customer explanation.

**\*\* Pass mark to obtain certificate is 50%.**

**Course fee - 8000 BDT**

#### **Instructor overview-**

**Engr. MD HASIBUR RAHMAN**

**Technical Manager, Khidmah Automobile**

**IEB membership no- A-28977**

**Pursuing MSc in Mechanical Engineering in MIST**

**Graduated from KIIT (India), B.Tech in Mechanical (Automobile) Engineering**

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