

CERTIFICATE COURSE IN TWO WHEELER MECHANISM (713)

The institution having the following requisite infrastructure, may apply for accreditation:

A. Class Room :

Class room for 20 students (minimum area 225 sq. ft.) should have proper ventilation, well-illuminated black board/white board and availability of adequate furniture and ceiling fans.

B. Workshop :

The size of workshop for 20 students should be at least 25ft. x 20 ft. with adequate lighting, exhaust & ceiling fans. The workshop should have the following Tool/Machinery & Equipments/Apparatus or material for Practical Training:

List of machinery & Equipment

Sl. no	Tools	Quantity
1.	Two Wheeler (two stroke) complete incorporated with electronic ignition in good running condition	1
2.	Two Wheeler (two stroke)having CB Point magnet ignition system, complete in running condition	1
3.	Motor Cycle having 4 stroke engine complete in running condition of different makes	2 nos.
4.	Bench grinder 7" wheels	1
5.	Arbor press ½ ton capacity	1
6.	Battery charger	1
7.	Work bench 6'x3'x2 ½ size with slope ramp/boards	4 nos.
8.	Air compressor 2 HP motorized, with	1
9.	Bench vice 3"	4 nos.
10.	Work bench 6'x4'x2 ½	1
11.	Spark Plug cleaner & tester on stand	1
12.	Electric Hot patch clamp for tube puncture repairs	1
13.	Fire buckets (with stand)	4
14.	Steel Pigeon hole almirah (12 compartments) with locking arrangement for each pigeon	1

For One Tool Kit

Sl. no	Tools	Quantity
1.	D.E. spanner (set of six)	4(6-7 to 16-17)
2.	Ring spanner set of twelve	4(6-7 to 32-33)
3.	Plug spanner 14 x10mm (as per vehicle)	1 each
4.	Plier Combination 200 mm	1
5.	R Nose plier 6'/150mm	1
6.	Flat nose 6"/150mm	1
7.	Sirclip plier 4'/100mm	1
8.	Screw Driver 6'/150mm	1
9.	Screw Driver 4'/100mm	1
10.	Screw Driver Philips 6'/150mm	1

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11.	Hammer B.P. 1 ½	3
12.	Chisel flat 6"	1
13.	Centre punch	1
14.	Magnet Puller (as per vehicle)	4
15.	Feeler gauge 25 blades	1
16.	Flat File 8" (200mm) in smooth	1
17.	Flat File 8" second cut	1
18.	Round File 8"/200mm	1
19.	Hacksaw adjustable 12" 300mm	1
20.	Tyre lever motor cycle	2 nos.
21.	Steel ruler 6"/12"	1 each
22.	Wheel brace cross type	1
23.	Clutch tool (as per vehicle)	1 each
24.	T-spanner (goti) for carburetor	

Common Workshop Tools

Sl. no	Tools	Quantity
1.	Surface plate 30"x30"	1 no.
2.	Table for surface plate above	1 no.
3.	Twist drills set of 3mm - 12 mm	1set
4.	Tap & Die set B&F 6mm-12mmwith handles	1 set
5.	Hand reamer 6mm-10mm adjustable	5 nos.
6.	Magnetic spanner set of 8spanners	1 set
7.	Grease gun hand operated	1 no.
8.	Trays cleaning 45 x 30cms	4 nos.
9.	Hand drill machine 6mm	1no.
10.	Oil can 0.5 lit	4 nos.
11.	Stud extractor set of 5 Pcs.	1 set
12.	Hydrometer	1 no.
13.	Work Bench for 2 wheeler 6'x3'x2 ½	2 nos.

C. **Physical Facilities** : The institution should have the facilities for Drinking water, Bathrooms & Toilets

D. **Library** : Library should have a minimum 20 books/articles/magazines etc. in related subject.

E. Faculty & Supporting Staff:

Faculty & Supporting Staff	Educational/Professional Qualification	No.
Coordinator	Degree/Diploma in appropriate Branch with 5 years experience	01
Instructor	3 years Diploma in Automobile/Mechanical Engineering Or 10 th pass with maths & science and National Trade Certificate ITI with 1 year experience	01
Receptionist cum clerk	Graduation and must have computer background	01

*Age of the Trainee : minimum 14 years or older.

F. **Batch size** - Maximum 20 students in one batch.

Note : An institution can run maximum 2 batches for this course.

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