

AUTOMOBILE ENGG.

Detail of Equipment/ Machinery, Laboratory wise

S.No	Name of Laboratory/ Workshop	Major Equipment/ Machinery available
1	AUTO WORKSHOP PRACTICE	Wheel Tyre Changer, Air Copmressor
		Special Purpose Tools & General Tools
2	Auto Electrical and Electronics Systems	Battery Charger (12V and 24V)
		Growler
		Alternator Test Bench
3	BTHP Lab	Infrared Thermometer
		Thermocouple, Pyrometer, Hydraulic brake
4	Auto Engine	Multi Cylinder Engines (Petrol & Diesel), Single Cylinder Engine (Petrol), Cylinder Blocks
		Cut section of Four Cylinder Petrol Engine
		3 Cylinder MPFI Engine
5	Chassis Body Transmission	Working Model of Power Steering
		Cut Section of Model FIAT Car
		Cut Section of Model Rear Axle
		Wheel Balancing Machine
		Computerised Wheel alginment Mc
		Working Model of Steering system, Cut section of Synchromesh and Slidingmesh, Working model of Differential
6	Automobile Professional Practice	Exhaust Gas Analyzer
		Fuel Injection Pump
		Engines for Dismantaling and Assembling
		Differential and Axle Assemblies for Dismantaling and Assembling
7	Driving Practice	Road safety Charts
		Traffic signal charts
		Vechile (Car) for driving practice

Name of Branch/ Discipline : AUTOMOBILE ENGG.				
NAME OF LAB/ ALTERNATE LAB : Auto shop (3rd Sem)/ AEES (5th Sem.)/ BTHP Lab (4th Sem)				
Detail of Equipment/ Machinery, Laboratory wise in the following table:(Likely to be purchased)				
S.No	Name of Laboratory/ Workshop	Name of Essential Equipment(s)/ machinery required for conduct of practical as per curriculum	Standard quantity of equipment/ machinery required	SHORTAGE OF LAB EQUIPMENT/ MACHINERY
a	b	c	d	e
1	AUTO WORKSHOP	Puncture Repair kit (for Tubed tyre)	1	1
2	PRACTICE	Tubeless tyre puncture repair kit	1	1
1	Auto Electrical and Electronics Systems	Multimeter, circuit tester lamp	1 Each	1 Each
2		Model of car lighting and wiring system	1	1
3		Multimeter	1	1
1	BTHP Lab [to be established as per revised curriculum]	Gear type hydraulic pump	1	1
2		Pneumatic nut runner	1	1

NAME OF LAB/ ALTERNATE LAB : AE-I (4th Sem)/ AE-II (5th Sem.)				
Detail of Equipment/ Machinery, Laboratory wise in the following table:(Likely to be purchased)				
S.No	Name of Laboratory/ Workshop	Name of Essential Equipment(s)/ machinery required for conduct of practical as per curriculum	Standard quantity of equipment/ machinery required	SHORTAGE OF LAB EQUIPMENT/ MACHINERY
a	b	c	d	e
1	AE-I	Morse Test Rig (Petrol)	1	1
1	AE-II	Model of CRDI Engine	1	1
2		Fuel Injection calibration machine	1	1
3		Fuel Injector Cleaner	1	1

NAME OF LAB/ ALTERNATE LAB : CBT-I (4th Sem)/ CBT-II (5th Sem.)				
Detail of Equipment/ Machinery, Laboratory wise in the following table:(Likely to be purchased)				
S.No	Name of Laboratory/ Workshop	Name of Essential Equipment(s)/ machinery required for conduct of practical as per curriculum	Standard quantity of equipment/ machinery required	SHORTAGE OF LAB EQUIPMENT/ MACHINERY
a	b	c	d	e
1	CBT-I	Multiplate Clutch	1	1 Common with APP-II Lab
1	Chassis Body	Mechanical Brake Model	1	1
2	Transmission-II	Air bag model	1	1

NAME OF LAB/ ALTERNATE LAB : APP-I (5th Sem)/ APP-II (6th Sem.)**Detail of Equipment/ Machinery, Laboratory wise in the following table:(Likely to be purchased)**

S.No	Name of Laboratory/ Workshop	Name of Essential Equipment(s)/ machinery required for conduct of practical as per curriculum	Standard quantity of equipment/ machinery required	SHORTAGE OF LAB EQUIPMENT/ MACHINERY
a	b	c	d	e
1	Automobile Professional Practice-I (establishment of new lab required as per revised curriculum)	Service Manual of Vehicle	1	1
2		Fuel Consumption Tester	1	1
3		Multimeter	1	Common with AEES Lab
1	Automobile Professional Practice-II (establishment of new lab required as per revised curriculum)	Working four stroke petrol/ diesel engine CRDI	1	Diesel Engine 1 CRDI
2		Chain pulley block	1	1
3		working Hydraulic brake system	1	1
4		Working single plate/multiplate clutch	1 each	Multiplate clutch 1

NAME OF LAB/ ALTERNATE LAB : DP-I (5th Sem)/ DP-II (6th Sem.)**Detail of Equipment/ Machinery, Laboratory wise in the following table:(Likely to be purchased)**

S.No	Name of Laboratory/ Workshop	Name of Essential Equipment(s)/ machinery required for conduct of practical as per curriculum	Standard quantity of equipment/ machinery required	SHORTAGE OF LAB EQUIPMENT/ MACHINERY
a	b	c	d	e
1	Driving Practice I &II	Vechile (Car)	1	1
2		Road safety Charts	4	4
3		Traffic signal charts	4	4
4		Vechile (Car) for driving practice	1	1
5		Driving Simulator for driving practice	1	1