

Summary Report
Two Three Wheeler Maintenance Value Added Course
Year 2021-22

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Course Outline/ Syllabus

SAHAKAR MAHARSHI LATE BHASKARRAO SHINGNE ARTS COLLEGE,
KHAMGAON

Value Added Course Code *V33410*

Duration-30 hr

Two and Three Wheeler Course

Sr. No	Module	Syllabus
01	1-General Service Information Theory Duration (hh:mm) 02:00 Practical Duration (hh:mm) 02:00	1.1. General introduction of an Automotive Service Technician 1.2. General Service Information 1.3. General Safety 1.4. Handling of 2 wheeler components 1.5. Handling of 3 wheeler components 1.6. Handling of Fuels 1.7. Types of fasteners 1.8. Fire Extinguishers 1.9. Threads and its types 1.10. SS techniques 1.11. Hand tools 1.12. Vehicle identification number, Chassis no. and Engine no
02	2-Engine Theory Duration (hh:mm) 02:00 Practical Duration (hh:mm) 02:00	2.1 4 stroke engine 2.2 2 stroke engine 2.3 Principles of engines 2.4. Compression ratio 2.5. Effect of engine vacuum or manifold vacuum 2.6. Constructional details of Valve mechanism 2.7. Importance of correct valve clearance 2.8. Types of Cylinder Head 2.9. Removing timing chain 2.10. Effects of Carbon deposits in the cylinder heads 2.11. Decarbonizing 2.12. How does a Torque Wrench work?
03	3-Exhaust System Theory Duration (hh:mm) 01:00 Practical Duration (hh:mm) 02:00	3.1. Emissions of exhaust smoke and its effects 3.2. Testing Exhaust Smoke 3.3. Principle of Secondary air injection system 3.4. Silencer cleaning in 2 stroke engine vehicles 3.5. Principle of catalytic converter 3.6 Importance of a Clean Silencer
04	4-Fuel Tank Theory Duration (hh:mm) 01:00 Practical Duration (hh:mm) 02:00	4.1. Fuel tank 4.2. Cleaning a Motorcycle or Small Engine fuel Tank 4.3 Air Filter/Cleaner 4.4 Carburettor and different types of Carburettor 4.5 Importance of Carburetor adjustments 4.6 Adjusting the carburettor while servicing 4.7 Diesel fuel system in 3 wheelers 4.8 Bleeding Off Diesel Fuel Systems 4.9 Changing fuel filter

K. Patil



05	5-Lubricating System Theory Duration (hh:mm) 1:00 Practical Duration (hh:mm) 02:00	5.1. Lubrication Types 5.2. Lubrication system 5.3. Functions of lubricating oil in an engine 5.4. Engine oil grade 5.5. Importance of correct quality and quantity of engine oils 5.6. Procedure for checking the engine oil 5.7. Replacing oil and oil filters
06	6-Cooling System Theory Duration (hh:mm) 01:00 Practical Duration (hh:mm) 02:00	6.1. What is a Cooling System? 6.2. Necessity of cooling system 6.3. Components of Cooling System 6.4 Types of cooling systems 6.5 Cooling System Trouble Diagnosis 6.6 Replacing coolant and cleaning radiator 6.7 Adjusting fan belt tension
07	7-Transmission Theory Duration (hh:mm) 01:00 Practical Duration (hh:mm) 02:00	7.1. Different Types of Clutches: 7.2. Chains and Sprockets: 7.3. Removing and assembling chain and sprocket: 7.4. Lubricating a chain: 7.5 Adjusting clutches: 7.6 Troubles and causes for transmission
08	8-Brake System Theory Duration (hh:mm) 01:00 Practical Duration (hh:mm) 02:00	8.1. Types of Motorcycle Brake and their Working Process: 8.2. Brake fluid-types: 8.3. Braking problems, causes and care: 8.4. Dismantling and adjusting the brake assembly: 8.5 Replacing the Brake fluid: 8.6 Bleeding the Hydraulic Brake System
09	9-Steering and Suspension System Theory Duration (hh:mm) 02:00 Practical Duration (hh:mm) 02:00	9.1. Motorcycle Suspension and Steering 9.2. Steering and Control Systems for a Three-Wheeled Vehicle 9.3. Troubleshooting Steering Systems 9.4 Adjusting Steer play 9.5. Motorcycle front fork assembly 9.6. 3 Wheelers Front Fork Assembly 9.7. Types of Shock Absorbers 9.8. Adjusting shock absorbers 9.9. Changing front fork oil

Method



Name of the Course and Brochure

**Sahakar Maharshi Late Bhaskarrao Shingne Arts College,
Khamgaon, Dist. Buldana**

2021-22

Department of Vocation Technology

Online Certificate Course On

TWO- THREE WHEELER MAINTENANCE

Features

- JOB ORIENTED COURSE
- PERSONALITY DEVELOPMENT

PRACTICAL SKILL

Two-Three Wheeler Trouble Shoots

First Serve Basis Duration: 30 Hrs.

Contacts: Mr Kuldeep N. Tathod

Address –Sahakar Maharshi Late Bhaskarrao Shingne Arts College, Khamgaon, Dist. Buldana 444303



Authority Approval Letter

Sahakar Maharshi Late Bhaskarrao Shingne Smruti Arogaya & Shikshan Prasarak Mandal, Khamgaon

Sahakar Maharshi Late Bhaskarrao Shingne Arts College, Khamgaon, Dist- Buldana (M.S.)

Affiliated to Sant Gadge Baba Amravati University, Amravati

College Code: -334

12(B) Dated 11 June 2012

2 (f) Dated 20 Oct 2011

Permanent Affiliation – L .No SGBAU/8/C-300/2012

Dated 22 Feb 2012, NAAC Accredited 'C' grade

Website:-www.smbcoll.com

email: - smbartsoll@rediffmail.com

Mobile No.9552619216

ISO 9001: 2015 Certified

True Copy of the Resolution No. 04 of the College Development Committee meeting
dated 30/09/2021

● Subject no. 04: Regarding approval for Add on / certificate course/ Value added courses

Resolution no.04: The subject of granting permission for the applications received for starting Add on / certificate course/ Value added courses and the attached syllabi was discussed by the members of the committee. The application forms received on 30/09/2021 were discussed in the meeting and the committee unanimously decided to grant approval to the following add on / certificate courses for the benefit of students:

- 1) Early Childhood Care
- ✓ 2) Two and Three Wheelers Maintenance
- ✓ 3) Two Wheeler Servicing
- 4) Communication Skill

● Resolution passed unanimously.

Proposed by: Dr. P. R. Chavan

Seconded by: Dr. D. U. Raut


Secretary
अध्यक्ष

महाविद्यालय विकास समिती
सहकार महर्षी स्व.भास्करराव शिंगणे
' कला महाविद्यालय खामगांव

Names of Students Enrolled

SAHAKAR MAHARSHI LATE BHASKARRAO SHINGNE ARTS COLLEGE,
KHAMGAON

Value Added Course 2021-22

Two-Three Wheeler Maintenance Course C33410 Participant List

Sr.No	Name of Student	Signature
1	Nilesh Ramdas Jadhao	N. R. Jadhao
2	Sangharsha Ramdas Wakode	S. R. Wakode
3	Dhiraj Madhukar Kalmakar	V. S. Jadhao
4	Vishwajit Sudhakar Jadhao	V. S. Jadhao
5	Satish Ravindra Ingle	S. R. Ingle
6	Nitin Prallhad Kshirsagar	N. P. Kshirsagar
7	Rohit dipak Shembade	R. Shembade
8	Sham Chandrabhan Khodake	S. Khodake
9	Dhammdip dadarao Jadhao	D. Jadhao
10	Shivlal Ashiram Wankhade	S. A. Wankhade
11	Vishwesh Rameshvar Rom	V. R. Rom
12	Sudesh Sugdeo Bhojane	S. Bhojane
13	Roshan Milind shegokar	R. M. shegokar
14	Sumed Sahebrao Wankhade	S. Wankhade
15	Vijay Rameshwar Nimkarde	V. Nimkarde
16	Tejas Sunil Ingle	T. S. Ingle
17	Shankar Tulshiram Zatale	S. Zatale
18	Amol Sidsharth Ingle	A. S. Ingle
19	Sachin Kailas Lathad	S. Lathad
20	Mahadev Shrihari Lande	M. Lande
21	Shekh haider Shekh muzzafar	S. Shekh
22	Nitin Panjabrao Jadhav	N. P. Jadhav



23	Gopal Shrikrushna Tale	G. Tale
24	Ankit yogeshwar Tikar	Aniket Y. Tikar
25	Rohan Rajendra Ingle	R. Ingle
26	Vishal Gokul Ghumare	Vishal G. Ghumare
27	Gopal Gajanan Thakare	Gopal G. Thakare
28	Milind Shivram Gulde	M. S. Gulde
29	Haresh Devidas Tidake	H. D. Tidake
30	Aniket Shankar Ingole	A. S. Ingole
31	Kewalchand Baburao Rathod	K. Rathod
32	Nikhil Gautam Ingle	N. G. Ingle
33	Aaditya Pravin Tayade	A. Tayade
34	Ajay Pramod Ware	A. P. Ware
35	Swapnil Gajanan Ikhare	S. G. Ikhare
36	Akshay Pradip Jadhao	A. P. Jadhao
37	Sidhleshwar Parmeshwar Fukat	S. P. Fukat
38	Anand Gautam Ingle	A. G. Ingle
39	Ishwar Balu Gawai	I. Gawai
40	Gajanan Tukaram Gawande	G. Gawande
41	Jayawant Subhash Wankhade	J. Wankhade
42	Anil Kashiram Chavan	Anil
43	Sachin Wasudev Gaikwad	S. Gaikwad
44	Gaurav Kailas Hivrare	G. Hivrare
45	Suraj Sunil Warudkar	S. Warudkar

M. D. D. D.



Umesh

Principal
Sahakar Maharshi Late
Bhaskarrao Shingne Arts College
Khamsaon Dist. Buldana

Certificate



Any Other Relevant Documents

SAHAKAR MAHARSHI LATE BHASKARRAO SHINGNE ARTS COLLEGE,
KHAMGAON

Value Added Course

Two-Three Wheeler Maintenance

Result 2021-22

Sr.No	Name of Student	Marks	Grade	Result
1	Nilesh Ramdas Jadhao	32	A	PASS
2	Sangharsha Ramdas Wakode	34	A	PASS
3	Dhiraj Madhukar Kalmakar	32	A	PASS
4	Vishwajit Sudhakar Jadhao	28	A	PASS
5	Satish Ravindra Ingle	26	A	PASS
6	Nitin Prallhad Kshirsagar	36	A	PASS
7	Rohit dipak Shembade	35	A	PASS
8	Sham Chandrabhan Khodake	38	A	PASS
9	Dhammdip dadarao Jadhao	22	B	PASS
10	Shivlal Ashiram Wankhade	18	B	PASS
11	Vishwesh Rameshvar Rom	20	B	PASS
12	Sudesh Sugdeo Bhojane	35	A	PASS
13	Roshan Milind shegokar	36	A	PASS
14	Sumed Sahebrao Wankhade	20	B	PASS
15	Vijay Rameshwar Nimkarde	20	B	PASS
16	Tejas Sunil Ingle	28	A	PASS
17	Shankar Tulshiram Zatale	32	A	PASS
18	Amol Sidsharth Ingle	34	A	PASS
19	Sachin Kailas Lathad	34	A	PASS
20	Mahadev Shrihari Lande	35	A	PASS
21	Shekh haider Shekh muzzafar	36	A	PASS
22	Nitin Panjabrao Jadhav	34	A	PASS



23	Gopal Shrikrushna Tale	36	A	PASS
24	Ankit yogeshwar Tikar	38	A	PASS
25	Rohan Rajendra Ingle	22	B	PASS
26	Vishal Gokul Ghumare	28	A	PASS
27	Gopal Gajanan Thakare	28	A	PASS
28	Milind Shivram Gulde	30	A	PASS
29	Haresh Devidas Tidake	32	A	PASS
30	Aniket Shankar Ingole	34	A	PASS
31	Kewalchand Baburao Rathod	32	A	PASS
32	Nikhil Gautam Ingle	34	A	PASS
33	Aaditya PravinT ayade	32	A	PASS
34	Ajay Pramod Ware	28	A	PASS
35	Swapnil Gajanan Ikhare	26	A	PASS
36	Akshay Pradip Jadhao	36	A	PASS
37	Sidhmeshwar Parmeshwar Fukat	35	A	PASS
38	Anand Gautam Ingle	38	A	PASS
39	Ishawar Balu Gawai	22	B	PASS
40	Gajanan Tukaram Gawande	18	B	PASS
41	Jayawant Subhash Wankhade	20	B	PASS
42	Anil Kashiram Chavan	35	A	PASS
43	Sachin Wasudev Gaikwad	36	A	PASS
44	Gaurav Kailas Hivrane	20	B	PASS
45	Suraj Sunil Warudkar	20	B	PASS

(Signature)



Two and Three Wheeler

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SAHAKAR MAHARSHI LATE BHASKARRAO SHINGNE COLLEGE KHAMGAON BACHELOR OF VOCATIONAL TECHNOLOGY						
Name of Candidate: <u>Vijay Nimkarde</u>		Sub: Basics of Automobile-I		Roll No:		Marks obtained :
Sign. of Candidate:		B.A. II				Total questions: 30
Sr No	Question Text	Choice A	Choice B	Choice C	Choice D	ANSWER
1	automobile is a vehicle	Self propelled	self value	selfish	seldome	D
2	..... Is a birthplace of auto	America	Mexico	India	Germany	C
3	First auto introduce in India in	1899	1898	1897	1890	D
4	The first road vehicle is built by	Nicholugus Cugnot	Nicholl Cugnot	Nicholas Cugnot	Nimbell Cugnot	B
5	...patented ICE	Benz	Gottlieb Diamler	TATA	Ford	D
6	In year.....first auto bulit	1767	1768	1770	1769	B
7	From following which is not a Hatchback car	Swift	Innova	Ertiga	Swift Dezire	D
8	From following which is not a sedan car	Honda City	Duster	Honda Amazes	Skoda Octivia	A
9	..... fitted ICE on a tricycle	Carl Benz	Mahindra	Ford	Ashok Leyland	B
10	.....fitted ICE at front of chassis	Charles	Elwood	Bajaj	Panhard	C
11	First auto factory setup in which two cities of India	Bombay-Pune	Bombay-Culcata	Bombay-Delhi	Bombay-Banglore	D
12	The car which having two doors and one row for seating such car is	Sedan	Hatchback	Coupe	Limo	A
13	..send proposal for built auto factory in India	Ratan Tata	Vishveshwaraya	Bajaj	Ashok Leyland	B
14	In which year India was an importer	1947	1948	1946	1949	A

Two and Three Wheeler

26/40 A

SAHAKAR MAHARSHI LATE BHASKARRAO SHINGNE COLLEGE KHAMGAON BACHELOR OF VOCATIONAL TECHNOLOGY						
Name of Candidate: <u>Satish Ravindra Ingle</u>		Sub: Basics of Automobile-I		Roll No:		Marks obtained :
Sign. of Candidate:		B.A. II				Total questions: 30
Sr No	Question Text	Choice A	Choice B	Choice C	Choice D	ANSWER
1	automobile is a vehicle	Self propelled	self value	selfish	seldome	A
2	..... Is a birthplace of auto	America	Mexico	India	Germany	C
3	First auto introduce in India in	1899	1898	1897	1890	B
4	The first road vehicle is built by	Nicholugus Cugnot	Nicholl Cugnot	Nicholas Cugnot	Nimbell Cugnot	A
5	...patented ICE	Benz	Gottlieb Diamler	TATA	Ford	B
6	In year.....first auto bulit	1767	1768	1770	1769	C
7	From following which is not a Hatchback car	Swift	Innova	Ertiga	Swift Dezire	A
8	From following which is not a sedan car	Honda City	Duster	Honda Amazes	Skoda Octivia	A
9	..... fitted ICE on a tricycle	Carl Benz	Mahindra	Ford	Ashok Leyland	C
10	.....fitted ICE at front of chassis	Charles	Elwood	Bajaj	Panhard	B
11	First auto factory setup in which two cities of India	Bombay-Pune	Bombay-Culcata	Bombay-Delhi	Bombay-Banglore	D
12	The car which having two doors and one row for seating such car is	Sedan	Hatchback	Coupe	Limo	A
13	..send proposal for built auto factory in India	Ratan Tata	Vishveshwaraya	Bajaj	Ashok Leyland	C
14	In which year India was an importer	1947	1948	1946	1949	B