



**Shri Vaishnav Vidyapeeth Vishwavidyalaya**  
**Shri Vaishnav Institute of Technology and Science**  
**Choice Based Credit System (CBCS) Scheme in the light of NEP-2020**  
**B. Tech in Automobile Engineering**  
**SEMESTER - V ( 2023-2027)**

Sr. No.	COURSE CODE	COURSE NAME	TEACHING SCHEME/WEEK			CREDITS	EXAMINATION SCHEME					TOTAL MARKS
							THEORY			PRACTICAL		
			L	T	P		End Sem University Exam (60%)	Two Term Exam (20%)	Teachers Assessment* (20%)	End Sem University Exam (60%)	Teachers Assessment* (40%)	
1		DEPARTMENTAL ELLECTIVE I	3	0	2	4	60	20	20	30	20	150
2		DEPARTMENTAL ELLECTIVE II	3	0	0	3	60	20	20	0	0	100
3	BTAU403	AUTOMOTIVE ENGINES	3	0	2	4	60	20	20	30	20	150
4	BTME501A	CAD CAM CIM	3	0	2	4	60	20	20	30	20	150
5		GENERIC ELECTIVE II **	–	–	–	4	–	–	–	–	–	100
6	BTME510	DESIGN THINKING AND INNOVATION	2	0	0	2	60	20	20	0	0	100
7	BTAU508	VEHICLE MAINTENANCE RECONDITIONING LAB	0	0	2	1	0	0	0	0	50	50
TOTAL			14	0	8	22	300	100	100	90	110	800

DEPARTMENTAL ELECTIVE I	
BTAU501A	EV BATTERIES AND CHARGING SYSTEM
BTAU501B	VEHICLE DIAGNOSTICS
BTCSE501	ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

DEPARTMENTAL ELECTIVE II	
BTAU502A	ALTERNATIVE FUELS AND EMISSION CONTROL
BTAU502B	ENGINE TESTING AND CERTIFICATION
BTAU502C	LOGISTICS MANAGEMENT AND WAREHOUSING

Legends: L - Lecture ; T - Tutorial/Teacher Guided Student Activity ; P - Practical ;

\*Teacher Assessment shall be based on following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.

\*\*Generic Elective Course Code and Scheme as per the Generic Elective Basket Approved by the University.



Chairperson  
Board of Studies  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore



Chairperson  
Faculty of Studies  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore



Controller of Examinations  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore



Registrar  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore



Vice Chancellor  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore