

School of Mechanical and Construction
Department of Automobile Engineering
Stakeholders feedback & its Implementation in BoS (2016-17 to 2020-21)

Program Code	Programme Name	Academic Year	Course Code	Course Name	Action Taken from Stakeholder feedback	Implementation Status in BoS
UEAU	B.TECH AUTOMOBILE ENGINEERING	2016-17	1152AU112	Microprocessor and microcontroller	Alumni Suggested to include Application of microprocessor and microcontroller in automobile to enhance latest knowledge in the field of electronics. It has included in 28th BOS	Application of microprocessor and microcontroller in automobile were added.
UEAU	B.TECH AUTOMOBILE ENGINEERING	2016-17	1151AU214	Automotive Chassis	Alumni have Suggested to include Brake by wire to enhance knowledge in latest technology. It has included in 28th BOS	"Brake by wire" has been included in unit 5.
UEAU	B.TECH AUTOMOBILE ENGINEERING	2016-17	1152AU120	Automotive Component Manufacturing	Based on feedback, sintering and compacting process were included in the syllabus	Sintering and Compacting process" has been included in unit-2
UEAU	B.TECH AUTOMOBILE ENGINEERING	2016-17	1151AU318	Engine performance and emission testing lab	Industrial expert has suggested to add automatic transmission and CV joint to enhance knowledge in the latest technology. It has included in 28th BOS	Study of automatic transmission experiment is to be added to the content
UEAU	B.TECH AUTOMOBILE ENGINEERING	2016-17	1152AU110	Automotive Aerodynamics	Industrial Expert- Suggested to include Lift and body styling to enhance knowledge in latest technology.	In Unit II lift and body styling were added to the contents.
UEAU	B.TECH AUTOMOBILE ENGINEERING	2016-17	1151AU214	Automotive Chassis	Industrial Expert- Suggested to include Electronic steering system to enhance knowledge in latest technology	"Electronic steering system" to be added in unit-2
UEAU	B.TECH AUTOMOBILE ENGINEERING	2016-17	1154AU107	Engine Components Laboratory	Academic Expert- Suggested to include Electronic steering system to enhance knowledge in latest technology.	Study of electronic carburettor topic will be included in the syllabus
UEAU	B.TECH AUTOMOBILE ENGINEERING	2016-17	1151AU217	Vehicle Evaluation and Maintenance	Industrial expert has suggested to include on board diagnostics, this is done to apply the real time application during servicing the vehicle.	In laboratory, it has been recommended to include "On Board Diagnostics" as an experiment if the required equipment is procured.
UEAU	B.TECH AUTOMOBILE ENGINEERING	2017-18	1151AU104	Manufacturing Technology	Since the most content of the unit four is on welding and machining processes the title of the chapter is changed as Special Welding and Machining Process	Unit-4 title has been renamed as "Special Welding and Machining Process" and in the content "CNC Machining Processes – Case Study" has been included in unit-4
UEAU	B.TECH AUTOMOBILE ENGINEERING	2018-19	1153AU101	IC Engines	Faculty have suggested to include Advancement fuel systems in S.I and C.I engines to enhance knowledge in latest technology.	Advancement fuel systems in SI and CI engines topic added in unit-II

UEAU	B.TECH AUTOMOBILE ENGINEERING	2018-19	1152AU136	Sustainable Fuel for Non-Conventional Engine	Faculty members suggested to exclude the topics 'A/F ratio, volumetric efficiency and stoichiometric condition'	The topics 'A/F ratio, volumetric efficiency and stoichiometric condition' has been added in unit 1
UEAU	B.TECH AUTOMOBILE ENGINEERING	2018-19	1152AU135	Optimization in Gear Train Design	Faculty recommended to have separate units for 'design of bevel gear and design of worm gear' as unit 3 and unit 4 respectively and also suggested to include 'Lewis equation and hertz method in unit-3	Separate units for 'design of bevel gear and design of worm gear' as unit 3 and unit 4 respectively and also suggested to include 'Lewis equation and hertz methods'.
UEAU	B.TECH AUTOMOBILE ENGINEERING	2018-19	1152AU133	Hydrogen Engines	The faculty member have to be offered a new course under the category of program elective for B.Tech Automobile Engineering as per requirement of student's demand.	Experts accepted the proposed course
UEAU	B.TECH AUTOMOBILE ENGINEERING	2018-19	1152AU134	Homogeneous Charge Compression Ignition Engine	As per student requisition removal of content "injection pressure sensor, measurement of torque, data acquisition system and smoke meter" done in the HCCI engine.	Removed injection pressure sensor, measurement of torque, data acquisition system and smoke meter
UEAU	B.TECH AUTOMOBILE ENGINEERING	2018-19	1151AU104	Manufacturing Technology	Since the most content of the unit four is on welding and machining processes the title of the chapter is changed as Special Welding and Machining Process	Unit-4 title has been renamed as "Special Welding and Machining Process" and in the content "CNC Machining Processes – Case Study" has been included in unit-4
UEAU	B.TECH AUTOMOBILE ENGINEERING	2018-19	1151AU107	IC Engines	Alumni- Recommended to add this topic to enhance the student to get basic knowledge on Engine cycle. It has included in 31st BOS	"Air standard cycles-otto, diesel and dual" to be added in unit-1
UEAU	B.TECH AUTOMOBILE ENGINEERING	2019-20		Electric Vehicles and Mobility Steam Power Engineering Manufacturing Automation Economics and Policies in a Biobased Economy Introduction to battery-management systems	Based on the employer feedback, the department suggested that the student can enrol the courses under Independent Learning category for B.Tech Automobile Engineering as per VTU R15.	It has implemented in 35th BOS. Courses offered in Edx.org and MOOC online platform
UEAU	B.TECH AUTOMOBILE ENGINEERING	2019-20		Composite Materials – for Automotive Applications	Alumni suggested that under graduate students should have acquire knowledge in automotive materials. For that, department offered specialized courses to be offered under Sec 7.2.8.3 Industry/ Higher Learning Institute Interaction	Alumni suggested that under graduate students should have acquire knowledge in automotive materials. For that, department offered specialized courses to be offered under Sec 7.2.8.3 Industry/ Higher Learning Institute Interaction

UEAU	B.TECH AUTOMOBILE ENGINEERING	2020-21		Electric Car - Introduction Electric Car - Business Solar Energy	Based on Alumni feedback, department have offered new courses under Independent Learning VTU R15 Sec. 7.2.7.1 Self Learning Course. New courses contain the application of solar powered vehicle and business in electric car. It has included in 36th BOS	Based on Alumni feedback, department have offered new courses under Independent Learning VTU R15 Sec. 7.2.7.1 Self Learning Course. New courses contain the application of solar powered vehicle and business in electric car.
UEAU	B.TECH AUTOMOBILE ENGINEERING	2020-21	1151AU216	Automotive Fuels, Lubricants and Coolants	Alumni have suggested to add measurement of sulphur content, because he considers its essential to for the students to gain knowledge about the topic. It has implemented in 36 BOS	Measurement of sulphur content is to be added to unit I
UEAU	B.TECH AUTOMOBILE ENGINEERING	2020-21	1153AU201	Electric Two-Wheeler Technology	The faculty member proposed course with 6 credits offered under Allied Elective category to B.Tech Students in School of Mechanical and Construction except students of Automobile Engineering as per VTU R15.	Highly appreciated for framing a course with 6 credits (Theory + Demo Lab + Project) and 135periods (45 + 30 + 60).
UEAU	B.TECH AUTOMOBILE ENGINEERING	2020-21	1152AU137	Biofuels for IC Engines	It was implemented in 36th BOS meeting.	The faculty member proposed course with 3 credits offered under programme Elective category to B.Tech Students in Automobile Engineering as per VTU R15.
UEAU	B.TECH AUTOMOBILE ENGINEERING	2020-21	1152AU137	Biofuels for IC Engines	Both the parent and faculty feedback, the two new courses were introduced in the academic year 2020-21.	It was included in the 36th BOS


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