



Hindusthan College of Engineering and Technology  
Accredited with 'A' Grade by NAAC, Affiliated to Anna University)  
Valley Campus, Pollachi Highway, Coimbatore – 641032



Date: 14.12.2023

**Action taken report on Twelfth BoS**

Name of the Department: **Automobile Engineering**

The Twelfth BOS meeting of regulation R2022 and R2019 for the academic year 2023 – 24 was conducted on 13.12.2023 in hybrid mode (online using Google Meet) and offline in Automobile department seminar hall). The objective of the meeting was to discuss the curriculum and syllabi for R2022 for IV semester and R2019 with all professional elective courses, open elective courses, newly added courses, Minor and Honor Degree courses.

Note: Google meeting link: <http://meet.google.com/gxs-ruct-nqc?hs=224>

**(I) Courses Introduced under Regulation 2019**

S.No.	Regulation	Course code with name		Credits
1.	2019R	21AU6201	Total Quality Management\$	3
2.	2019R	21AU6202	Vehicle Dynamics and Control Systems*#\$	3
3.	2019R	21AU6203	Finite Element Analysis	4
4.	2019R	21AU6251	Automotive Vehicle Body and Aerodynamics*	3.5
5.	2019R	21AU6001	Finite Element Analysis Lab##	1.5
6.	2019R	21AU6701	Internship Training / In plant Training	1
7.	2019R	21HE6071	Soft Skill-II	1
8.	2019R	21HE6072	Intellectual Property Rights (IPR)	1

S.No.	Regulation	Course name		Credits
<b>Minor Degree - Automotive Vehicle Technology</b>				
1	2019R	21AU5601	Automotive Engines	3
2	2019R	21AU6601	Automotive Chassis	3

3	2019R	21AU6602	Automotive Transmission	3
4	2019R	21AU7601	Automotive Electronics	3
5	2019R	21AU7602	Intelligent vehicular systems	3
6	2019R	21AU8601	Electric and Hybrid vehicles	3
<b>Honors (Electric and Hybrid Vehicle)</b>				
7	2019R	21AU5204	Fundamentals of Electric and Hybrid Vehicles	3
8	2019R	21AU6204	Battery Technology	3
9	2019R	21AU6205	Automotive Embedded Systems	3
10	2019R	21AU7203	Advanced Automotive Safety Systems	3
11	2019R	21AU7204	Special Purpose Electric Vehicle	3
12	2019R	21AU8201	Electric Vehicles and its Sustainable Development	3
<b>Honors (Motorsports Engineering)</b>				
13	2019R	21AU5205	Composite Structure	3
14	2019R	21AU6206	High performance engine design	3
15	2019R	21AU6207	Motorsports Electric Vehicle	3
16	2019R	21AU7205	Motorsports Vehicle Body Engineering	3
17	2019R	21AU7206	Motorsports Race Electronics and Control Systems	3
18	2019R	21AU8202	Motorsports racing circuits and Design	3
<b>Honors (Vehicle Development and Validation)</b>				
19	2019R	21AU5206	Automotive Product Design and Development	3
20	2019R	21AU6208	Noise, Vibration and Harshness	3
21	2019R	21AU6209	Automotive Instrumentation	3
22	2019R	21AU7207	Testing and Measurement Systems	3
23	2019R	21AU7208	Homologation	3
24	2019R	21AU8203	Automotive Prototyping	3

**(II) Courses Introduced under Regulation 2022 Batch (2022-2026)**

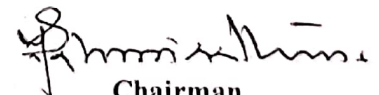
S.No.	Regulation	Course code with name		Credits
1.	2022	22HE4101	IPR and Start-ups	3
2.	2022	22AU4201	Automotive Chassis components Design	4
3.	2022	22AU4202	Automotive Electricals and Electronics systems	3
4.	2022	22AU4203	Mechanics of Machines	4
5.	2022	22AU4204	Fluid Mechanic and Actuation System	3
6.	2022	22AU4251	Fundamentals of Heat Transfer	3
7.	2022	22AU4001	Automotive Electricals and Electronics Laboratory	2
8.	2022	22AU4002	Computer Aided Engine components design Laboratory	2
9.	2022	22HE4071	Soft Skills -III	2

**Batch (2023-2027)**

S.No.	Regulation	Course code with name		Credits
1.	2022	22MA2101	Differential equations and complex analysis	4
2.	2022	22PH2101	Basics of material science	3
3.	2022	22CY2101	Environmental science	3
4.	2022	22ME2101	Engineering Mechanics	3
5.	2022	22HE2151	Effective Technical Communication	3
6.	2022	22CY2152	Applied Chemistry	2
7.	2022	22ME2001	Engineering Practices	1
8.	2022	22MC2094/ 22MC2095	தமிழரும் தொழில் நுட்பமும் / Tamils and Technology	0
9.	2022	22MC2093	NCC */NSS / YRC / Sports / Clubs / Society Service - Enrollment (Common)	4

**(III) General Recommendations:**

S.No.	Suggestions / Comments given by the Members for 2019 Regulation	Action Taken	Report
1	Suggested to incorporate case studies like Autonomous vehicle systems in order to get idea in current trend in Electric and Autonomous vehicles in "Advanced Electrical and Electronics system".	Suggestion accepted	Case study added.
2	Suggested to Change the Title "Advanced Electrical and Electronics system" to "Automotive Electrical and Electronics system"	Suggestion accepted	Updated
3	Suggested to incorporate the topics "Brakes" in "Mechanism of Machines" to get an clear view of Application of friction in Unit IV.	Suggestion accepted	To be incorporated in higher semesters
4	Suggested to compare the syllabus of all courses with Anna University Syllabus since the Entrance Exams for Higher studies and Recruitments were based on Anna university Syllabus.	Suggestion accepted	Compared
5	Suggested to add the content on "Pneumatic Machines" in "Fluid and Pneumatic systems"	Suggestion accepted	To be incorporated in higher semesters
6	Suggested to change the title of the course "Fluid and Pneumatic systems" to "Fluid Mechanics and Actuation systems"	Suggestion accepted	Title changed
7	Suggested to update the Test book and reference books with new editions.	Suggestion accepted	Updated
8	Suggested to include more Electrical system design related to motor sports in "Motorsports Electric Vehicle"	Suggestion accepted	To be incorporated in higher semesters
9	Suggested to included simpler problems in "Fluid and Pneumatic systems"	Suggestion accepted	To be incorporated in higher semesters

  
Chairman  
(Board of Studies)

**Chairman - RoS  
AUTO - HiCET**