



VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi
Proposed list of MOOCs (NPTEL Jan-April2022 Timeline) for B.E Degree Honours

To:
The Registrar,
VTU, Belagavi.

Sub: Updated list of bouquet of MOOCs Courses

With reference to the above please find the **list of bouquet of MOOCs Courses for JAN 2022 session**. Please note that Mechanical and allied branches are considered for intra discipline while listing the courses relevant to Automobile Engineering branch.

Date: 27/11/2021

Dr. Ramakrishna N. Hegde,
Chairman, BOS,
Automobile Engineering Board
VTU, Belagavi



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Table 1. List of certifiable courses approved for earning the extra credits under type

Name of the Board	AUTOMOBILE ENGINEERING
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Sl. No.	Name of the Subject & Subject Matter Expert(SME)	Duration in Weeks	Start Date	End Date	Exam Dates	Enrolment End Date
1	noc22-ae03 Rocket Propulsion "Prof. K. Ramamurthi Prof. V. Nagabhushana Rao"	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
2	noc22-ae04 Computational Science in Engineering Prof. Ashoke De	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	NA
3	noc22-ch05 Waste to Energy Conversion Prof. P. Mondal	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
4	noc22-ch27 Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems "Prof. Vaibhav Vasant Goud Prof. R. Anandalakshmi"	8 Weeks + 4 Weeks (New)	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
5	noc22-cs29 Introduction to Machine Learning Prof. Balaraman Ravindran	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
6	noc22-cs40 Introduction To Programming In C Prof.Satyadev Nandakumar	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	NA
7	noc22-cs53 Introduction To Internet Of Things Prof. Sudip Misra	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
8	noc22-cs56 An Introduction to Artificial Intelligence Prof. Mausam	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
9	noc22-ee13 Fundamentals of semiconductor devices Prof. Digbijoy N. Nath	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
10	noc22-ee26 Engineering Electronics Enclosures Thermal issues Prof. N.V Chalapathi Rao	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	February 21, 2022
11	noc22-ee53 Electric Vehicles - Part 1 Prof. Amit Jain	4 Weeks	February 21, 2022	March 18, 2022	April 24, 2022	February 21, 2022



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12	noc22-hs29 Patent Law for Engineers and Scientists Prof. Feroz Ali	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
13	noc22-hs30 German - I Prof. Milind Brahme	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
14	noc22-hs31 German - II Prof. Milind Brahme	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
15	noc22-hs42 An Introduction to Microeconomics Prof. Vimal Kumar	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
16	noc22-hs34 Humanities and Social Sciences Technical English for Engineers Prof. Aysha Iqbal	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	NA
17	noc22-mg16 Quality Design And Control Prof. Pradip Kumar Ray	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
18	noc22-mg27 Modelling and Analytics for Supply Chain Management "Prof. Kunal Kanti Ghosh Prof. Anupam Ghosh"	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
19	noc22-mg32 Design Thinking - A Primer" Prof. Ashwin Mahalingam Prof. Bala Ramadurai"	4 Weeks	February 21, 2022	March 18, 2022	April 23, 2022	NA

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Table 2. List of certifiable courses approved for earning the extra credits by AU Students (Interdisciplinary)

Sl. No.	Name of the Subject & Subject Matter Expert(SME)	Duration in Weeks	Start Date	End Date	Exam Dates	Enrolment End Date
1	noc22-mg48 Six Sigma Prof. Jitesh J Thakkar	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
2	noc22-ma20 Mathematical Modelling: Analysis and Applications Prof. Aameeya Kumar Nayak	4 Weeks	February 21, 2022	March 18, 2022	April 23, 2022	NA
3	noc22-me12 Automatic Control Prof. Anil Kumar	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
4	noc22-me17 Smart Materials and Intelligent System Design Prof. Bishakh Bhattacharya	4 Weeks	February 21, 2022	March 18, 2022	April 24, 2022	NA
5	noc22-me18 Modelling and Simulation of Dynamic Systems Prof. Pushparaj Mani Pathak	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
6	noc22-me20 Introduction to Abrasive Machining and Finishing Processes Prof. Mamilla Ravi Sankar	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
7	noc22-me23 Convective Heat Transfer Prof. Arup Kumar Das	4 Weeks	February 21, 2022	March 18, 2022	April 24, 2022	NA
8	noc22-me29 Design Practice Prof. Shantanu Bhattacharya	8 Weeks	February 21, 2022	April 15, 2022	April 24, 2022	NA
9	noc22-me37 Explosions and Safety "Prof. K. Ramamurthi Prof. Prasad Patnaik BSV"	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
10	noc22-me38 Wheeled Mobile Robots "Prof. Asokan Thondiyath Prof. Santhakumar Mohan"	8 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
11	noc22-me62	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	NA



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	Gear And Gear Unit Design: Theory and Practice Prof. Rathindra Nath Maiti					
12	noc22-mm11 Fundamentals Of Electronic Materials And Devices Prof. Parasuraman Swaminathan	8 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
13	noc22-mm14 Material Characterization Prof.S. Sankaran	12 Weeks	January 24, 2022	March 18, 2022	March 27, 2022	January 31, 2022
14	noc22-ge03 Entrepreneurship Essentials Prof. Manoj Kumar Mondal	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022
14	noc22-ge04 Fuzzy Logic and Neural Networks Prof. Dilip Kumar Pratihar	8 Weeks	February 21, 2022	April 15, 2022	April 24, 2022	NA
15	noc22-ge14 Non-conventional energy Resources Prof. Prathap Haridoss	12 Weeks	January 24, 2022	April 15, 2022	April 24, 2022	January 31, 2022
16	noc22-ge15 Introduction to Research "Prof. Edamana Prasad Prof. Prathap Haridoss"	8 Weeks	February 21, 2022	April 15, 2022	April 23, 2022	NA
17	noc22-ge11 Fundamental of Fluid Mechanics for Chemical and Biomedical Engineers Prof. Raghvendra Gupta	12 Weeks	January 24, 2022	April 15, 2022	April 23, 2022	January 31, 2022

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