



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi**  
**Proposed list of MOOCs (NPTEL June-Dec 2022 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 JULY 2022 session**. Please note that Mechanical and allied branches are considered for intra discipline while listing the courses relevant to Automobile Engineering branch.

Date: 31/05/2022

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



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**Format for submission of Bouquet of MOOCs Courses**

**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	Biotechnology and Bioengineering Fundamentals of micro and nanofabrication" Prof Sushobhan Avasti Prof. Shankar Selvaraja"	12	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
2	Organ Printing Prof. Falguni Pati	8	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
3	Fluid and Particle Mechanics " Prof. Sumesh Prof. Basavaraju"	12	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
4	Natural Gas Engineering Prof. Pankaj Tiwari	8	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
5	Plastic Waste Management Prof. Brajesh Kumar Dubey	8	Aug 22, 2022	Oct 14, 2022	Oct 29, 2022	Aug 22, 2022
6	Wastewater Treatment And Recycling Prof. Manoj Kumar Tiwari	12	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
7	Introduction to Machine Learning Prof. Balaraman Ravindran	12	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
8	Introduction To Industry 4.0 And Industrial Internet Of Things Prof. Sudip Misra	12	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
9	Programming In Modern C++ Prof. Partha Pratim Das	12	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
10	Functional and Conceptual Design Prof. Asokan T	12	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
11	Design, Technology and Innovation Prof. B. K. Chakravarthy	8	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
12	Fundamentals Of Electric Drives Prof. Shyama Prasad Das	8	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022



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13	Hydrogen Energy: Production, Storage, Transportation and Safety Prof. Pratibha Sharma	12	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
14	Decision-Making Under Uncertainty Prof. N. Gautam	4	Aug 22, 2022	Sep 16, 2022	Oct 30, 2022	Aug 22, 2022
15	Toyota Production System Prof. Rajat Agarwal	8	Aug 22, 2022	Oct 14, 2022	Oct 29, 2022	Aug 22, 2022
16	Regression Analysis Prof. Soumen Maity	12	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
17	Rapid Manufacturing Prof. J. Ramkumar	12	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
18	BioMEMS and Microfluidics Prof. Shantanu Bhattacharya	8	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
19	Physics of Renewable Energy Systems Prof. Amreesh Chandra	12	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022

**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	Soft skills Prof. Binod Mishra	12	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022
2	Body language: Key to professional Success Prof. Rashmi Gaur	4	Aug 22, 2022	Sep 16, 2022	Oct 29, 2022	Aug 22, 2022
3	Psychology of Everyday Prof. Braj Bhushan Prof. Alok Bajpai"	4	Aug 22, 2022	Sep 16, 2022	Oct 30, 2022	Aug 22, 2022
4	Patent Law for Engineers and Scientists Prof. Feroz Ali	12	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
5	Energy Economics And Policy Prof. Shyamasree Dasgupta	8	Aug 22, 2022	Oct 14, 2022	Oct 30, 2022	Aug 22, 2022
6	Entrepreneurship And IP Strategy Prof. Gouri Gargate	8	Jul 25, 2022	Sep 16, 2022	Sep 25, 2022	Aug 1, 2022
7	German - III Prof. Milind Brahme	12	Jul 25, 2022	Oct 14, 2022	Oct 29, 2022	Aug 1, 2022
8	Data Analysis & Decision Making - III	12	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022



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	Prof. Raghu Nandan Sengupta					
9	Design Thinking - A Primer Prof. Ashwin Mahalingam Prof. Bala Ramadurai"	4	Aug 22, 2022	Sep 16, 2022	Oct 29, 2022	Aug 22, 2022
10	Ethics In Engineering Practice Prof. Susmita Mukhopadhyay	8	Aug 22, 2022	Oct 14, 2022	Oct 29, 2022	Aug 22, 2022
11	Patent Search and Analysis Prof. M. Padmavati Prof. Shreya Matilal"	8	Aug 22, 2022	Oct 14, 2022	Oct 29, 2022	Aug 22, 2022
12	Ecology and Environment Prof. Abhijit Deshpande Prof. R. Ravi Krishna"	8	Aug 22, 2022	Oct 14, 2022	Oct 29, 2022	Aug 22, 2022
13	Vacuum Technology & Process Application Prof. V. Vasudeva Rao	12	Jul 25, 2022	Oct 14, 2022	Oct 30, 2022	Aug 1, 2022