

# University of Mumbai



No. CTAU/ 05 / of 2025-2026

Ref :- This office Circular No. मशिमाक/ विशिमाक/ तंत्रशिक्षण/ 11/ 2020-2021 dated 11/01/2021.

## CIRCULAR:-

In continuation of the above-mentioned Circular dated 11<sup>th</sup> January, 2021, the Chairman/Secretary/Director/Principal of Aided/Unaided all affiliated/recognized technical colleges/institutions of Engineering, Technology & Management are hereby informed that the University has introduced various new emerging programs in various colleges from the academic year 2020-21 and eligibility criteria for all those subjects for recruitment of teaching post/s in technical Colleges/Institutes was discussed in the Board of Studies of the faculty at its meeting held on 10<sup>th</sup> April, 2024 and recommendations of the same was accepted by the Board of Deans at its meeting held on 27<sup>th</sup> June, 2024 vide item No.9.11 and subsequently by the Academic Council at its meeting held on 28<sup>th</sup> June, 2024 vide item 9.8 and the same has been approved by the Management Council at its meeting held on 9<sup>th</sup> December, 2024.

The resolution passed by the Academic Council is quoted below:

It was **resolved** that the recommendations made by the Board of Deans at its meeting held on 27<sup>th</sup> June, 2024 vide item No.9.11, the Equivalence of Bachelor's and Master's Degree in appropriate discipline of all program for eligibility of recruitment of teachers **be accepted** and that the same recommended to the Management Council as per rules.

In pursuance of the resolution accepted by the Academic Council and the Management Council, the Chairman/Secretary/Director/ Principal of Aided/Unaided affiliated all technical colleges/institutions of Engineering, Technology, Management etc. are hereby requested to note the Equivalence of Bachelor's and Master's Degree subject in appropriate discipline of all new emerging programs for eligibility of recruitment of teaching post/s in the technical colleges/institutes and that the same has been brought into force from the academic year 2020-21 as per appendix.

Mumbai – 400 032.

Date 24<sup>th</sup> June, 2025

  
(Dr. Prasad Karande)  
**REGISTRAR**

## Appendix

Sr. No.	Discipline	Bachelor's Degree	Master's Degree
1	Civil Engineering / Civil Engineering & Planning / Civil and Infrastructure Engineering	Civil Engineering	Civil Engineering
		Civil and Water Management Engineering	Construction Engineering & Management
		Civil and Environmental Engineering	Structural Engineering
		Structural Engineering	Geotech Engineering
		Construction Engineering/ Technology	Transportation Engineering
		Civil Engineering & Planning	Town and Country Planning
		Civil and infrastructure Engineering	Hydraulic Engineering
			Remote sensing
			Environmental Engineering
			Water Resources & Environmental Engineering
			Water Management
			Building Science & Technology
			Infrastructure Engineering & Construction Management
			Building Construction & Technology
			Structural Dynamics and Earthquake Engineering
			Earthquake Engineering
		Water Resources Engineering	
Soil Engineering			
Civil and Water Management			
Civil Engineering & Planning			
Civil and Infrastructure Engineering			
2	Mechanical / Automobile Engineering / Mechanical and Automation Engineering / Mechatronics Engineering	Mechanical Engineering	Mechanical Engineering
		Automobile Engineering	Automobile Engineering
		Production Engineering	CAD/CAM
		Industrial Engineering	Mechanical CAD-CAM
		Automation and Robotics*	Aerospace Engineering
		Applicable only for the Mechanical and Automation Branch.	CAD-CAM -CAE
			Aeronautical Engineering
Automotive Engineering			

Sr. No.	Discipline	Bachelor's Degree	Master's Degree
		Mechanical and Automation Engineering	M/C Design
			Energy Technology / Engineering
			Heat Power Engineering
			Energy Sym
			Thermal Engineering
			Design Engineering
			Manufacturing
			CAD-CAM Automotive
			Computational Fluid Dynamics
			Mechatronics
			Mechanical Design
			Thermal Power
			Production Engineering
			Manufacturing Engineering Robotics & Automation
			Metallurgy & Material Science
			Product Design Development
			Robotics
			Industrial Engineering /Management
			Product Lifecycle Management
			Machine Tool Engineering
			Conventional / Non- Conventional Engineering
			System & control Energy Studies, Energy System
			Biomedical Engineering
			Material, Manufacturing & Modelling Engineering
			Material Engineering
			System Science & Automation
			Nano Science / Engineering / Technology

Sr. No.	Discipline	Bachelor's Degree	Master's Degree
			Industrial Tribology & Maintenance Engineering
			Mechanical and Automation Engineering
3.	Production Engineering / Industrial Engineering	Production Engineering	Production Engineering
		Industrial Engineering	CAD/CAM
		Mechanical Engineering	CAD Automotive
		Automobile Engineering	Mechanical CAD /CAM
			Thermal Engineering
			CAD-CAM Robotics
			Aerospace
			Manufacturing Engineering/ Process
			Aeronautical Engineering
			Industrial Engineering
			Product Life Cycle Management
			Mechanical / Production / Industrial Management
			Computer Aided Engineering (CAE)
			CAD-CAM-CAE
			Metallurgy & Material Science
			Mechatronics
4	Electronics Engineering / Electronics & Telecommunication Engineering/ Electronics and Computer Science/ Electronics & Biomedical Engineering/ Electronics Engineering (VLSI Design and Technology) /Electronics and Communication (Advance Communication and Technology /Electronics and Computer Science Engineering/Automation and Robotics	Electronics Engineering	Electronics
		Electronics & Telecommunication	VLSI & Embedded SYS
		Digital Electronics	Digital System Design
		Electronics & Communication Engineering	Signal Processing / Signal & Image Processing
		Industrial Electronics	Communication Network
		Communication Engineering	Microwave Engineering
		Electronics & Power Engineering	Power Electronics
		Electronics Technology	Communication Engineering
		Electronics & Communication Technology	Electronics Design Tech
		Electronics Design Technology	Electronics & Telecom

Sr. No.	Discipline	Bachelor's Degree	Master's Degree
		Electronics Product Design	Digital Electronics
		Electronics & Computer Science	Digital Communication
		Electronics & Biomedical Engineering	Instrumentation Engineering
		Electronics Engineering (VLSI Design and Technology)	Electronic Instrumentation
		Electronics and Communication (Advance Communication and Technology)	VLSI Design
		Electronics and Computer Science Engineering	Radio Frequency Design & Technology
		Biomedical Engineering	Embedded System Technology
		Automation and Robotics	Sensor System Technology
		Internet of Things	Electronics Product Design
		Computer Science and Engineering (Internet of Things)	Automotive Electronics
			Power Electronics & Drives
			Biomedical Engineering
			Wired & Wireless Communication
			Embedded System
			Electronics / Technology
			Instrumentation & Control
			Medical Electronics
			Electronics and Computer Science Engineering
			Industrial Electronics
			Micro-electronics system Instrumentation
			Electronic System Engineering
			Control and Automation
			Integrated Electronics & Circuits
			Electronics Engineering (VLSI Design and Technology)

Sr. No.	Discipline	Bachelor's Degree	Master's Degree
			Automation and Robotics
			Electronics & Computer Science
			Electronics and Communication (Advance Communication and Technology)
			Biomedical Engineering
			Electronics & Biomedical Engineering
5	Electrical Engineering / Electrical Engineering (Electronics & Power) / Electrical and Computer Engineering	Electrical Engineering	Electrical Engineering
		Electrical & Power Engineering	Power System Engineering / Technology
		Electronics & Power Engineering	Electronics and Power
		Power System Engineering	Electrical Communication
		Electrical & Electronics Engineering	Power Electronics
		Electrical Engineering (Electronics & Power)	Power Electronics & Drives
		Electrical and Computer Engineering	Power & Power System
			Energy System / Technology
			Electronics Control System
			System & Control
			Electrical Control System
			Electrical Machine Drives
			Electrical Power System
			Instrumentation & Control
			Instrumentation Engineering
			Industrial Drives & Control
			Electrical Machines and Drives
			Electrical & Electronics Engineering
			Industrial Electronics
			Power Plant Engineering / Management
			Electrical equipment's Design Engineering

Sr. No.	Discipline	Bachelor's Degree	Master's Degree
			Electrical Engineering (Electronics & Power)
			Electrical and Computer Engineering
6	Computer Engineering/ Information Technology/ Computer Science & Engineering/ Artificial Intelligence and Data Science/Artificial Intelligence and Machine Learning/ Computer Science & Engineering (Data Science)/ Computer Science and Engineering (Internet of Things and Cyber Security including Blockchain Technology) / Computer Science and Engineering (Artificial Intelligence and Machine Learning) / Cyber Security / Internet of Things/ Computer Science and Engineering (Internet of Things) / Data Science / Data Engineering / Computer Science and Design	Computer Science & Engineering	Computer Engineering
		Computer Engineering	Computer Science & Engineering
		Computer Technology	Computer Technology
		Information Technology	Information Technology
		Computer Science and Technology	Software Engineering
		Computer Science and Information Technology	Computer Network
		Data Engineering	Data Engineering
		Artificial Intelligence & Data Science	Web Technology
		Artificial Intelligence and Machine Learning	Databases
		Electronics and Computer Science	Information Security
		Computer Science and Engineering (Data Science)	Cyber Security
		Computer Science and Engineering (Internet of Things and Cyber Security including Blockchain Technology)	Computer & Information Technology
		Computer Science and Engineering (Artificial Intelligence and Machine Learning)	Computer & Communication Engineering
		Cyber Security	Computer System Engineering
		Internet of Things	Hardware Design
		Data Science	Sensor Network Engineering
		Data Engineering	System Software Engineering
		Computer Science and Design	Computer & Communication
		Computer Science and Engineering (Internet of Things)	Advanced Programming Logic
		Electronics and Telecommunication Engineering	Artificial Intelligence and Robotics
		Embedded System	

Sr. No.	Discipline	Bachelor's Degree	Master's Degree
			Computer Technology and Application
			Computer Science & Technology
			Computer Network & Information Security
			Electronics Engineering
			Electronics & Telecommunication Engineering
			Artificial Intelligence and Data Science
			Artificial Intelligence and Machine Learning
			Computer Science & Engineering (Internet of Things)
			Data Science
			Electronics and Computer Science
			Data Engineering
			(Computer Science & Engineering) (Data Science)
			Computer Science & Engineering (Internet of Things and Cyber Security including Block Chain Technology)
			Computer Science & Engineering (Artificial Intelligence and Machine Learning)
			Internet of Things
7	Instrumentation Engineering	Instrumentation Engineering	Instrumentation Engineering
		Instrumentation & Control Engineering	Instrumentation & Control Engineering
		Bio-medical Engineering	Control Engineering
		Bio Electronics	Bio-medical Engineering
		Electric Instrumentations	Bio Electronics
		Biomedical Instrumentations	Analytical Instrumentation
		Industrial Electronics & Instrumentation Engineering	Electronics Instrumentation
		Biomedical Instrumentation	

Sr. No.	Discipline	Bachelor's Degree	Master's Degree
			Industrial Electronics & Instrumentation Engineering
			Electronics
			Electrical Engineering
			Systems & Control
8	Metallurgical Engineering	Metallurgical Engineering	Metallurgical Engineering
		Material Engineering / Technology	Material Engineering
		Metallurgy	Material Technology
		Material Science and Metallurgy	Material Science and Technology
			Metal Coating Technology / Mechanical Engineering
			Production Engineering
			Automobile Engineering
			Process Metallurgy
			Physical Metallurgy
			Powder Technology / Metallurgy
			Material Science
9	Chemical Engineering / Chemical Technology	Chemical Engineering	Chemical Engineering
		Chemical Technology	Chemical Technology
		Petrochemical Engineering	Petrochemical Engineering
		Petroleum Engineering	Petroleum Engineering Polymer
		Petrochemical Technology	Petrochemical Technology
			Polymer Engineering
			Environmental Engineering
			Environmental Science & Engineering
10	Bio-Medical Engineering	Bio-Medical Engineering	Bio-Medical Engineering
		Instrumentation Engineering	Medical Instrumentation
		Medical Electronics	Medical Electronics
		Bio-Medical Instrumentation	Bio-Medical Instrumentation
		Electronics Engineering	Electronics Medical Instrumentation
11	Food Technology	Food Technology	Food Technology
		Food Engineering	Food Craft Engineering
		Food Processing Engineering	Food Engineering

Sr. No.	Discipline	Bachelor's Degree	Master's Degree
		Food Processing Technology	Food Processing Engineering / Technology
12	Mining Engineering	Mining Engineering	Mining Engineering
		Mine and Mine Survey Engineering	Mine Survey Engineering
		Mining Machinery Engineering	Mine Safety Engineering
			Mine and Mine Survey Engineering
13	Paint Engineering / Technology	Paint Engineering	Paint Engineering
	Oil Engineering	Paint Technology	Oil Engineering
		Oil Engineering	Surface Coating Paint Technology
14	Paper Technology	Paper & Pulp Technology	Paper & Pulp Technology
		Paper Technology	Paper Technology
15	Plastic Engineering	Plastic Engineering / Technology	Plastic Engineering / Technology
		Plastic & Polymer Engineering	Plastic & Polymer Engineering
		Polymer Engineering / Technology	Polymer Engineering/ Tech
16	Printing Engineering / Technology	Printing Engineering / Technology	Printing Engineering / Technology
		Printing Engineering & Graphics	Printing Engineering & Graphics
		Printing & Packaging Technology	Packaging Technology
		Printing Engineering & Communication Tech	Printing Engineering & Communication Tech
			Printing & Packaging Technology
17	Textile Engineering	Textile Engineering / Tech	Textile Engineering / Technology
		Textile Plant Engineering	Textile Plant Engineering
		Textile Chemistry	Textile Chemistry
		Man Made Textile Tech	Man Made Textile Tech

Sr. No.	Discipline	Bachelor's Degree	Master's Degree
		Fashion and Fabric Technology	Fashion and Fabric Technology
		Textile Engineering/ Technology	Textile Engineering /Tech./ Textile Plant Engineering /Textile Chemical Eng./Man Made Textile / Textile Technology/ Fashion and Fabric Technology
		Textile Plant Engineering/ Textile Chemical Engineering / Man Made Textile / Textile Technology	Garment Technology
			Garment Manufacturing Engineering
18	Sugar Technology	Sugar Technology	Sugar Technology
		Sugar Engineering	Sugar Plant Engineering
			Chemical Plant Technology
19	Geological Engineering	Applied Geology	Applied Geology
		Engineering Geology	Engineering Geology
		Geology	Geology
		Geotechnical Engineering	Geotech Engineering
20	MCA	Computer Science & Engineering	Computer Application
		Computer Engineering	Computer Science & Engineering
		Computer Science & Technology	Computer Technology
		Information Technology	Information Technology
			Computer Science & Technology
		Software Applications	
21	Aerospace / Aeronautical Engineering	Aerospace / Aeronautical Engineering	Aerospace / Aeronautical Engineering
		Automobile Engineering	Mechanical Design
		Mechanical Engineering	Automobile Design
			Aerospace Science and Engineering
22	Bio-Technology	Bio-Technology	Bio-Technology
		Chemical Engineering	Bio- Chemical Engineering

Sr. No.	Discipline	Bachelor's Degree	Master's Degree
		Chemical Technology	Bio- Chemical Technology
23	Marine Engineering	Marine Engineering / Technology	Marine Engineering
			Mechanical Engineering
			Marine Technology
			Production and Fabrication Technology
24	Packaging Technology	Packaging Technology	Packaging Technology
		Mechanical Engineering	Printing Technology
		Printing and Packing Technology	Printing and Packaging Technology
25	Refrigeration and Air Conditioning	Mechanical Engineering	Refrigeration and Air Conditioning
		Thermal Power Engineering	Thermal Power Engineering
		Thermal Engineering	Heat and Power Engineering
			Thermal Engineering
			Thermal Dynamics
26	Leather Technology	Leather Technology	Leather Technology
			Leather and Foot Wear Technology
27	Textiles Chemistry / Manmade Textiles Technology	Man-made Textiles Technology	Relevant Branch of Chemical Engineering / Technology
		Textile Chemistry	Polymer Engineering
			Textile Chemistry
28	Surface Coating Technology	Chemical Engineering / Technology	Surface Coating Technology
		Surface Coating Technology	Chemical Engineering / Technology
			Metallurgy/Powder Metallurgy
			Material Science
29	Applied Mechanics	Civil Engineering	Structural Design
		Structural Engineering	Structural Engineering
		Mechanical Engineering	Design and Development Engineering (Mechanical /Civil/ Automobile)
		Automobile Design Engineering	Aerospace Engineering

Sr. No.	Discipline	Bachelor's Degree	Master's Degree
		Automobile Engineering	Machine Tool Design
			Mechanical Design
			Automobile Design
			Machine Design
			Machine Design and Development
30	Polymer Engineering	Chemical Engineering	Polymer Engineering
	Polymer Technology	Chemical Technology	Polymer Technology
	Polymer Engineering and Technology	Polymer Technology/Engineering	Polymer Engineering & Technology
		Polymer Engineering and Technology	Chemical Technology
31	Chemistry	Chemistry	Chemistry
		Organic Chemistry	Material Science
		Inorganic Chemistry	Organic Chemistry
		Physical Chemistry	Inorganic Chemistry
		Analytical Chemistry	Physical Chemistry
		Applied Chemistry	Analytical Chemistry
		Polymer Chemistry	Applied Chemistry
		Industrial Chemistry	Polymer Chemistry
			Mechanical Chemistry
			Industrial Chemistry
		Technical Chemistry	
32	Mathematics	Mathematics	Mathematics
		Computational Mathematics	Computational Mathematics
		Applied Mathematics	Applied Mathematics
		General Mathematics	General Mathematics Statistics
		Mathematics & Statistics	Numerical Method and Simulations Statistics
33	Physics	Applied Physics	Applied Physics
		Theoretical Physics	Theoretical Physics
		Modern Physics	Modern Physics
		Physics	Solid State Physics
			Physics

Sr. No.	Discipline	Bachelor's Degree	Master's Degree
34	Geology/ Geo Chemistry	Geology	Geology
		Geochemistry	Geo Technology
		Applied Geology	Applied Geology
		Engineering Geology	Engineering Geology
		Geo Informatics	Geo Informatics
			Geo Chemistry Soil & Rock Chemistry
35	English /Communication Skills	English	English
		Functional English	English Literature
		Communicative English	Functional English
		English Literature	Communicative English
			Communication Skills
			Mass Media Communication
36	Hotel Management & Catering Technology	Hotel Management & Catering Technology	Hotel Management & Catering Technology
		Hospitality Management	Hospitality Management
			Tourism Management
			Hospitality Management
			P.G. Diploma (2 years Duration in above mentioned field.
37	Dress Designing & Garment Manufacturing	Dress Designing & Garment Manufacturing	Dress Designing & Garment Manufacturing
		Apparel Manufacturing and Design	Apparel Manufacturing and Design
		Garment Manufacturing	Garment Manufacturing
		Fashion Technology	Fashion Technology
		Apparel Manufacturing	P.G. Diploma (2 years Duration)p in the above mentioned field.
38	Travel & Tourism	Travel & Tourism	Travel & Tourism
		Hospitality Management	Hospitality Management
		Hotel Management & Catering Technology	Food, Craft and Beverages
			Tourism Administration/Management

Sr. No.	Discipline	Bachelor's Degree	Master's Degree
			P.G. Diploma (2 years Duration) in the above mentioned field.
39	Pharmacy	Pharmacy	Any specification in the field of Pharmacy
40	Pharmaceutics	Pharmacy	Pharmaceutics
			Bio Pharmaceutics
			Pharmaceutics Technology
			Industrial Pharmacy
41	Pharmaceutical Chemistry	Pharmacy	Pharmaceutical Chemistry
			Medicinal Chemistry
			Medicinal and Natural products
			Pharmaceutical Chemistry Medicinal
42	Pharmacology	Pharmacy	Pharmacology
			Pharmacy Practice
			Clinical Pharmacology
			Clinical Pharmacy
43	Pharmacognosy	Pharmacy	Pharmacognosy
			Pharmacognosy & Phytochemistry
			Medicinal /Natural Products
44	Pharmaceutical Analysis	Pharmacy	Pharmacy practice
			Clinical Pharmacy
			Pharmacology
45	Pharmacy Practice	Pharmacy	Pharmacy Practice
			Clinical Pharmacy
			Pharmacology