

## Norms for duration and entry level Qualification

Norms for duration and entry level Qualification for the academic year 2023-24**				
S.No.	Programme	Duration		Academic eligibility for admission to I semester for the academic year 2023-24 **
		Minimum	Maximum	
1	B.E./B.Tech.	4 years	8 years	<p>“Passed in 2nd PUC / 12th Standard examination with English as one of the Languages and obtained a minimum of 45% of marks in aggregate in Physics and Mathematics as compulsory subjects along with Chemistry / Bio-Technology / Biology / Electronics / Computer Science.”</p> <p>In case of Karnataka SC, ST, and OBC candidates, the minimum aggregate percentage shall be 40%.</p>
2	B.E./B.Tech. (Lateral Entry)	3 years	6 years	<p>Passed Minimum THREE years / TWO years (Lateral Entry) Diploma examination with at least 45% marks (40% marks in case of candidates belonging to reserved category) in ANY branch of Engineering and Technology.</p> <p style="text-align: center;">OR</p> <p>Passed B.Sc. Degree from a recognized University as defined by UGC, with at least 45% marks (40% marks in case of candidates belonging to reserved category) and passed 10+2 examination with Mathematics as a subject.</p> <p style="text-align: center;">OR</p> <p>Passed D.Voc. Stream in the same or allied sector. (The Universities will offer suitable bridge courses such as Mathematics, Physics, Engineering drawing, etc., for the students coming from diverse backgrounds to achieve desired learning outcomes of the programme)</p> <p>Refer: Applicable State Govt orders also</p>
3	B.Arch.	5 years	10 years	<p>The norms prescribed in Council of Architecture/ NATA/ Admission Rules; relevant Government orders are applicable in determining the eligibility and merit for admission to Architecture course. The stake holders are advised to keep visiting COA/ NATA website for updates</p>

<b>Norms for duration and entry level Qualification for the academic year 2023-24**</b>				
<b>S.No.</b>	<b>Programme</b>	<b>Duration</b>		<b>Academic eligibility for admission to I semester for the academic year 2023-24 **</b>
		<b>Minimum</b>	<b>Maximum</b>	
4	B.Plan.	4 years	8 years	<p>“Passed in 2nd PUC / 12th Standard examination obtained a minimum of 45% of marks in aggregate in Physics and Mathematics as compulsory subjects along with Chemistry / Bio-Technology / Biology / Electronics / Computer Science.”</p> <p>In case of Karnataka SC, ST, and OBC candidates, the minimum aggregate percentage shall be 40%.</p>
5	B.Voc.	3 years	6 years	<p>“Passed in 2nd PUC / 12th Standard examination with English as one of the Languages obtained a minimum of 45% of marks in aggregate”.</p> <p>In case of Karnataka SC, ST, and OBC candidates, the minimum aggregate percentage shall be 40%.</p>
6	B.Sc.(Hons)	4 years	8 years	<p>The applicant seeking admissions should have passed 12<sup>th</sup> (10+2) standard examination or equivalent from science stream or with minimum any 3 of the following subjects – Mathematics, Physics, Chemistry, Biology, Electronics, Statistics and Computer Science.</p> <p>All aspirants must score 45% or above aggregate marks in the 10+2 level exam. SC/ST/OBC candidates need to score 40% or above marks at the 10+2 level exam.</p> <p>Students from the State of Karnataka, other states and abroad are permitted to apply.</p> <p>Applicant must have passed any of the following qualifying examinations; with English as one of the subjects:</p> <ul style="list-style-type: none"> <li>• The +2 level examination in the 10+2 pattern of examination of any recognized Central/State Board of Secondary Education and Council for Indian School Certificate Examination, New Delhi.</li> <li>• Intermediate Science or Two-year Pre-University Examination conducted by a recognized Board/University.</li> <li>• Final Examination of the two-year course of the Joint Services Wing of the National Defense Academy.</li> <li>• General Certificate Education (GCE) Examination (London/Cambridge/Sri Lanka) at the Advanced level with minimum passes of 2/3 subjects.</li> <li>• High School Certificate Examination of Cambridge University</li> <li>• International Baccalaureate Diploma Program with the minimum passes of 6 subjects (3HL and 3SL) with 24 points.</li> <li>• Any Public School/Board/University Examination in India or in foreign countries recognized by the Association of Indian Universities as equivalent to 10+2 system.</li> <li>• Senior Secondary School Examination conducted</li> </ul>

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S.No.	Programme	Duration		Academic eligibility for admission to I semester for the academic year 2023-24 **
		Minimum	Maximum	
				<p>by the National Open School with minimum five subjects.</p> <ul style="list-style-type: none"> <li>H.S.C. Vocational Examination</li> </ul>
7	MBA	2 years	4 years	<p><b>MBA Programme:</b></p> <p>A candidate who has passed Bachelor's Degree examination or equivalent examination from recognized University of minimum of 3 years duration examination and obtained an aggregate minimum of 50% marks taken together in all the subjects including languages in all the years of the Degree Examination is eligible for admission to MBA programme. 45% of marks in Q. E. in case of SC, ST and Category-I of Karnataka candidates. Reservation and concession in aggregate percentage is applicable only for Karnataka Candidates.</p>
8	MBA (IEV)	2 years	4 years	<p><b>MBA in Innovation Entrepreneurship and Venture Development Programme : (Offered at only VTU Department)</b></p> <p>A candidate who has passed Bachelor's Degree examination or equivalent examination from recognized University of minimum of 3 years duration examination and obtained an aggregate minimum of 50% marks taken together in all the subjects including languages in all the years of the Degree Examination is eligible for admission to MBA programme. 45% of marks in Q. E. in case of SC, ST and Category-I of Karnataka candidates. Reservation and concession in aggregate percentage is applicable only for Karnataka Candidates.</p> <p>The candidate must possess an idea / and a proposal to establish a start-up or get into the entrepreneurial assignment. Candidates with work experience will be preferred.</p>
9	MCA	3 years	6 years	<p><b>MCA Programme :</b></p> <p>A candidate who has passed any recognized BCA / Bachelor Degree in Computer Science Engineering or equivalent Degree OR Passed B.Sc. / B.Com / B.A. with</p>

<b>Norms for duration and entry level Qualification for the academic year 2023-24**</b>				
<b>S.No.</b>	<b>Programme</b>	<b>Duration</b>		<b>Academic eligibility for admission to I semester for the academic year 2023-24 **</b>
		<b>Minimum</b>	<b>Maximum</b>	
				Mathematics at 10 + 2 level or at Graduation level (with additional bridge courses as per the norms of the concerned University) and obtained an aggregate minimum of 50% marks taken together in all the subjects in all the years of the Degree Examination is eligible for admission to MCA courses. 45% of marks in Q. E. in case of SC, ST and Category-I of Karnataka candidates. Reservation and concession in aggregate percentage is applicable only for Karnataka Candidates.
10	M.Tech.	2 years	4 years	<p><b>M.E. / M.Tech / M.Arch Programme :</b></p> <p>A candidate who has passed qualifying examination or equivalent examination as prescribed by the Competent Authority and obtained an aggregate minimum of 50% marks taken together in all the subjects of all the years / semesters of the Degree Examination is eligible for admission to M.E. / M.Tech / M.Arch courses (45% of marks in Q. E. in case of SC, ST and Category-I candidates. Reservation and concession in aggregate percentage is applicable only for Karnataka Candidates. A candidate with valid GATE score.</p> <ol style="list-style-type: none"> <li>1. Course Wise Eligibility to VTU M.Tech. programmes (Enclosed).</li> <li>2. Entry level qualifications acquired through Distance Education mode are not considered for admission to VTU M.Tech. programmes.</li> <li>3. Undergraduate programmes obtained from The Institution of Electronics and Telecommunication Engineers, New Delhi is not considered for admission to VTU M.Tech. programmes (E.C. Res. No. 2.2.3 dated 10-6-2014).</li> </ol>
11	M.Plan.	2 years	4 years	<p><b>M.Plan in Town and Country Planning (Offered at only VTU Department) Programme :</b></p> <p>A candidate who has passed qualifying examination or</p>

Norms for duration and entry level Qualification for the academic year 2023-24**				
S.No.	Programme	Duration		Academic eligibility for admission to I semester for the academic year 2023-24 **
		Minimum	Maximum	
				<p>equivalent examination as prescribed by the Competent Authority and obtained an aggregate minimum of 50% marks taken together in all the subjects of all the years / semesters of the Degree Examination is eligible for admission to M.E. / M.Tech / M.Arch courses (45% of marks in Q. E. in case of SC, ST and Category-I candidates. Reservation and concession in aggregate percentage is applicable only for Karnataka Candidates.</p> <p>Course wise Eligibility : B.Plan or B.Arch or B.E / B.Tech. in Civil Engineering/ Building Technology/ Construction Technology/ Environmental Engineering or M.A/M.Sc (Geography)</p>

**Please Note :**

- \*\* The stake holders have to see the updated notifications / circulars issued from time to time by the University ([www.vtu.ac.in](http://www.vtu.ac.in)) in this regard .
- 1 Rounding off aggregate percent is not permitted
  - 2 The academic eligibility is to be determined by considering all the subjects reflected in the marks cards of qualifying examination i.e. including audit courses and additional subject which are not considered for award of degree.
  - 3 The **relaxation in minimum percentage is extended only to Karnataka candidates** belonging to the Scheduled Caste, Scheduled Tribe and Cat-I. This rule is also applicable to the candidates seeking admission under management quota also.
  - 4 **Admission of In-Service Candidates** should be sent along with 'No Objection Certificate' from the employer.
  - 5 **Non-employed candidates:** have to submit an **undertaking** as per the enclosed format to the Principal of the college and copy of the same shall be forwarded to the University.
  - 6 The Conversion formula for conversion of CGPA into percentage is as below:  
The eligibility condition of 50% of maximum CGPA or 50% percent of the marks secured at graduate level for seeking admission to VTU PG programmes from the academic year 2021-22 and onwards. The class/ marks for admission approval shall be considered as per the policy of degree awarding University.

**Course -Wise Eligibility for Admission to various M.Tech./M.Arch. Programs under VTU Belagavi ( 2022-23)**

Sl. No.	Board	M.Tech. Programme	Eligible Under Graudate courses
1	Aeronautical	Aeronautical Engineering	Bachelor's Degree in Engineering or Technology in Aeronautical Engineering/ Aerospace Engineering /Mechanical Engineering/ Civil Engineering/ Industrial Engineering & Management/ Industrial Production / Automobile Engineering, AMIE in appropriate branch. valid GATE score : ME, CE, PI, AE
2	Aeronautical	Aerospace Engineering	Bachelor's Degree in Engineering or Technology in Aeronautical Engineering/ Aerospace Engineering /Mechanical Engineering/ Civil Engineering/ Industrial Engineering & Management/ Industrial Production/ Automobile Engineering, AMIE in appropriate branch. valid GATE score : ME, CE, PI, AE
3	Aeronautical	<b>Defence Technology</b>	Aerospace Engineering/ Aeronautical Engineering/ Applied Electronics and Communication Engineering/Applied Electronics and Instrumentation Engineering /Chemical Technology/ Chemical Engineering/Computer Science & Engineering/Computer and Communication Engineering/ Computer Engineering/ Computer Engineering and Applications/Computer Networking/Computer Science & Information Technology /Computer Science & Technology /Computer Technology /Electrical & Computer Engineering/Electrical & Electronics Engineering/Electrical & Instrumentation Engineering/Electrical & Power Engineering/Electrical Engineering/Electronics Engineering/ Instrumentation Engineering and Power Engineering/Electronics & Communication Engineering/Instrumentation Engineering/Electronics, Instrumentation and Control Engineering/ Electronics Science & Engineering/Electronics & Computer Engineering/Electronics & Communication engineering/ Electronics & Computer Science/ Electronics & Control Systems/Electronics & Power system/Electronics & Telecommunication/Electronics Instruments and Control Engineering/Electronics System Engineering/Instrumentation and Electronics/Instrumentation Engineering/Marine Engineering/ Marine Technology /Mechanical & Automation Engineering/ Mechatronics Engineering/Mechanical Engineering/ Metallurgical & Materials Engineering/Military Engineering/ Optics & Opto- electronics/Power Electronics Engineering/ Radio, Physics and Electronics/Software Engineering/ Structural Engineering/ Telecommunication Engineering valid GATE score in above mentioned branches
4	Architecture	M.Arch. Habitat Design	B.Arch.
5	Architecture	M.Arch. Urban Design	B.Arch.

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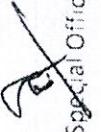
Sl. No.	Board	M.Tech./M.Arch. Programme	Eligible Under Graudate courses
6	Architecture	M.Arch. Digital Architecture	A Student seeking admission to Master of Architecture Course must have secured minimum 50% aggregate in Bachelor' of Architecture degree course or equivalent courses recognised by the apex body with /without valid GATE score. The student without GATE score shall be considered subject to vacancy.
7	Architecture	M.Arch. Landscape Architecture	B.Arch.
8	Architecture	M.Arch Construction Project Management	<b>Minimum 50% marks in aggregate in Bachelor of Architecture degree course or equivalent course as per COA</b>
9	Architecture	<b>M.Arch., Interior Design</b>	Bachelor of Architecture or any other equivalent qualification approved by the council of Architecture with a minimum of 50% in aggregate of all the semesters.
10	Architecture	<b>M.Arch.Digital Heritage Conservation</b>	B. E. In Architecture, who have to passed prescribed qualifying examination with not less than 50% of the marks in the aggregate of all the year of the degree examination In case of candidates belong to Sc/ST and category I, the aggregate percentage of marks in the qualifying examinations shall not be less than 45% rounding off of percentage secured in the qualifying examination is not permissible.
11	Architecture	<b>M.Arch Sustainable Human Habitat</b>	B. E. In Architecture, who have to passed prescribed qualifying examination with not less than 50% of the marks in the aggregate of all the year of the degree examination In case of candidates belong to Sc/ST and category I, the aggregate percentage of marks in the qualifying examinations shall not be less than 45% rounding off of percentage secured in the qualifying examination is not permissible.
12	Biotechnology	Bioinformatics	Bachelor's Degree in Engineering or Technology in Biotechnology / Bioinformatics / Biochemical Engineering / Instrumentation Technology / Biomedical Engineering / Medical Electronics / Food Technology / Chemical Engineering / Computer Science & Engineering / Information Science & Engineering

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Eligible Under Graudate courses			
SI. No.	Board	M.Tech. Programme	
13	Biotechnology	Biotechnology	Bachelor's Degree in Engineering or Technology in Biotechnology / Bioinformatics / Chemical Engineering/ Biomedical Engineering/ Medical Electronics/ Food Technology/ <b>Biotechnology and Biochemical Engineering</b>
14	Biotechnology	Biotechnology and Biochemical Engineering	Bachelor's Degree in Engineering or Technology in Biotechnology / Chemical Engineering / Biomedical Engineering/ Biochemical Engineering/ Medical Electronics / Food Technology ; AMIE in appropriate branch. GATE: BT, CHE, BME, BCHE
15	Biotechnology	Nano Biotechnology	Bachelor's Degree in Engineering or Technology in Materials Sc. Engineering/ Mechanical Engineering/ Biomedical Engineering/ Chemical Engineering/ Biotechnology/ Electronics Engineering/ Medical Electronics ; AMIE in appropriate branch . GATE: BT, BME,CHE, ME, EC
16	Biotechnology	Biochemical Engineering	Bachelor's Degree in Engineering or Technology in Biotechnology/ Biochemical Engineering/ Chemical Engineering/ Food Technology. GATE qualified (Optional) in CHE, BT, BME, BCHE
17	Biotechnology	Industrial Biotechnology	Bachelor's Degree in Engineering or Technology in Biotechnology / Bioinformatics / Chemical Engineering/ Biomedical Engineering/ Medical Electronics / Food Technology.

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Sl. No.	Board	M.Tech./M.Arch. Programme	Eligible Under Graduate courses
20	Chemical	Chemical Engineering	Bachelor's Degree in Engineering or Technology in Chemical Engineering / Polymer Engineering / Ceramics & Cement Tech. / Bio-Technology ; AMIE / AMICHE in appropriate branch. GATE: CH
21	Chemical	Polymer Science & Technology	Bachelor's Degree in Engineering or Technology in Polymer Technology / Rubber Technology / Plastic Technology / Chemical Engineering / Mechanical Engineering / Industrial and Production Engineering / Textile Technology ; AMIE in appropriate branch.
22	Civil	Building Construction and Management	Bachelor's Degree in Engineering or Technology in Civil Engineering / Transportation Engineering / Construction Technology & Management ; AMIE in appropriate branch. GATE: CE
23	Civil	Computer Aided Design of Structures	Bachelor's Degree in Engineering or Technology in Civil Engineering / Construction Technology & Management; AMIE in appropriate branch. GATE: CE
24	Civil	Construction Engineering & Management	Bachelor's Degree in Engineering or Technology in Civil Engineering / Construction Technology & Management; AMIE in appropriate branch. GATE: CE
25	Civil	Construction Technology	Bachelor's Degree in Engineering or Technology in Civil Engineering / Transportation Engineering / Construction Engineering / Construction Technology & Management ; AMIE in appropriate branch. GATE: CE
26	Civil	Environmental Engineering	Bachelor's Degree in Engineering or Technology in Environmental Engineering / Civil Engineering / Construction Technology & Management / Chemical Engineering / Biotechnology . AMIE in appropriate branch. GATE: CE, CH
27	Civil	Geo-Informatics	Bachelor's Degree in Engineering or Technology in Computer Science & Engineering / Information Science & Engineering / Civil Engineering / Environmental Engineering.
28	Civil	Geo-Technical Engineering	Bachelor's Degree in Engineering or Technology in Civil Engineering / Transportation Engineering / Construction Technology & Management; AMIE in appropriate branch. GATE: CE
29	Civil	Ground Engineering	Bachelor's Degree in Engineering or Technology in Civil Engineering / Construction Technology & Management / Transportation Engineering; AMIE in appropriate branch. GATE: CE

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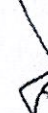
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Sl. No.	Board	M.Tech./M.Arch. Programme	Eligible Under Graduate courses
30	Civil	Health Science & Water Engineering	Bachelor's Degree in Engineering or Technology in Civil Engineering / Construction Technology & Management / Environmental Engineering / Transportation Engineering; AMIE in appropriate branch. GATE: CE
31	Civil	Highway Technology	Bachelor's Degree in Engineering or Technology in Civil Engineering / Construction Technology & Management / Transportation Engineering; AMIE in appropriate branch. GATE: CE
32	Civil	Hydraulics	Bachelor's Degree in Engineering or Technology in Civil Engineering or Environmental Engineering; AMIE in appropriate branch. GATE: CE
33	Civil	Industrial Structures	Bachelor's Degree in Engineering or Technology in Civil Engineering / Construction Technology & Management; AMIE in appropriate branch. GATE: CE
34	Civil	Infrastructure Construction & Management	Bachelor's Degree in Engineering or Technology in Civil Engineering / Construction Technology & Management / Transportation Engineering; AMIE in appropriate branch. GATE Score for corresponding branches mentioned above.
35	Civil	Integrated Waste Management	Bachelor's Degree in Engineering or Technology in Civil Engineering / Mechanical Engineering / Environmental Engineering / Transportation Engineering / Chemical Engineering / Construction Technology & Management; AMIE in appropriate branch. GATE: CE
36	Civil	Structural Engineering	Bachelor's Degree in Engineering or Technology in Civil Engineering / Construction Technology & Management; AMIE in appropriate branch. GATE: CE
37	Civil	Transportation Engineering	Bachelor's Degree in Engineering or Technology in Civil Engineering / Construction Technology & Management / Transportation Engineering; AMIE in appropriate branch. GATE: CE
38	Civil	Transportation Engineering & Management	Bachelor's Degree in Engineering or Technology in Civil Engineering / Construction Technology & Management / Transportation Engineering; AMIE in appropriate branch. GATE: CE
39	Civil	Water and Land Management	Bachelor's Degree in Engineering or Technology in Civil Engineering / Environmental Engineering; AMIE in appropriate branch. GATE: CE
40	Civil	Water Resource Management	Bachelor's Degree in Engineering or Technology in Civil Engineering / Transportation Engineering; AMIE in appropriate branch. GATE: CE

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Sl. No.	Board	M.Tech./M.Arch. Programme	Eligible Under Graduate courses
41	Civil	Infrastructure Engineering and Management	Bachelor's Degree in Engineering or Technology in Civil Engineering / Environmental Engineering; AMIE in appropriate branch. GATE: CE
42	Civil	Waste Water Management, Health and Safety Engineering	Bachelor's Degree in Civil Engineering / Environmental Engineering / Chemical Engineering / Biotechnology / Construction Technology and Management / AMIE in appropriate branch, GATE: CE, CH
43	Civil	Civil Engineering (Computer Aided Structural Engineering)	Bachelor's Degree in Civil Engineering / Construction Technology & Management; with minimum of 50% marks in aggregate of all the semester, AMIE in appropriate branch. GATE: CE
44	Computer Science	Computer Engineering	Bachelor's Degree in Engineering or Technology in Computer Science & Engineering / Information Science & Engineering; AMIE in appropriate branch. GATE: CS
45	Computer Science	Computer Graphics and Robotics	Bachelor's Degree in Engineering or Technology in Computer Science & Engineering / Information Science & Engineering
46	Computer Science	Computer Network Engineering	Bachelor's Degree in Engineering or Technology in Electronics & Communication / Electronics & Telecommunication Engineering / Telecommunication Engineering / Computer Science & Engineering / Information Science & Engineering / Information Science & Engineering / AMIE in appropriate branch. valid GATE score in : EC,CS,
47	Computer Science	Computer Science & Engineering	Bachelor's Degree in Engineering or Technology in Computer Science & Engineering / Information Science & Engineering / Information Technology / ; AMIE in appropriate branch. GATE: CS
48	Computer Science	Cyber forensic & Information Security	Bachelor's Degree in Engineering or Technology in Computer Science & Engineering / Information Science & Engineering / Electronics & Communication Engineering

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Sl. No.	Board	M.Tech./M.Arch. Programme	Eligible Under Graduate courses
49	Computer Science	Information Technology	Bachelor's Degree in Engineering or Technology in Computer Science & Engineering / Information Science & Engineering/ <b>Information Technology</b> / GATE: CS
50	Computer Science	Intelligent Systems	Bachelor's Degree in Engineering or Technology in Electronics & Communication Engineering / Electronics & Instrumentation Engineering / Telecommunication Engineering / Computer Science & Engineering / Instrumentation Technology / Biomedical Engineering / Medical Electronics / Automation and Robotics ; AMIE in appropriate branch. GATE Score for corresponding branches mentioned above.
51	Computer Science	Networking and Internet Engineering	Bachelor's Degree in Engineering or Technology in Electronics & Communication / Telecommunication / Telecommunication / Computer Science & Engineering / Information Science & Engineering ; AMIE in appropriate branch. GATE: EC, TE, CS, IS
52	Computer Science	Software Engineering	Bachelor's Degree in Engineering or Technology in Computer Science & Engineering / Information Science & Engineering/ <b>Information Technology</b> / ; AMIE in appropriate branch. GATE: CS, IS
53	Computer Science	Web Technologies	Bachelor's Degree in Engineering or Technology in Computer Science & Engineering / Information Science & Engineering; AMIE in appropriate branch. GATE Score for corresponding branches mentioned above
54	Computer Science	<b>Cyber Security</b>	Bachelor's Degree in Computer Science & Engineering/Information Science & Engineering/ Electronics & Communication Engineering/ Electrical & Electronics Engineering/ Telecommunication Engineering/ Electronics & Telecommunication Engineering/ Electronics & Instrumentation Engineering. AMIE in appropriate branch. GATE: CS, IS
55	Computer Science	Data Science	Bachelor's Degree in Computer Science & Engineering/Information Science & Engineering/ Electronics & Communication Engineering/ Electrical & Electronics Engineering/ Telecommunication Engineering/ Electronics & Telecommunication Engineering/ Electronics & Instrumentation Engineering. AMIE in appropriate branch.

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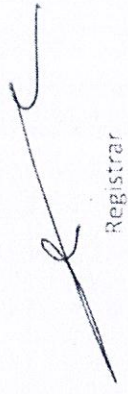

  
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Sl. No.	Board	M.Tech./M.Arch. Programme	Eligible Under Graduate courses
56	Computer Science	Artificial Intelligence and Machine Learning	Bachelor's Degree in Engineering in Computer Science & Engineering/ Information Science and Engineering/ Electronics & Communication Engineering/ Electronics & Instrumentation Engineering (Information Technology)
57	Computer Science	Artificial Intelligence and Data Science	Bachelor's Degree in Computer Science & Engineering/ Information Science & Engineering/ Electronics & Communication Engineering/ Electrical & Electronics Engineering/ Telecommunication Engineering/ Electronics & Telecommunication Engineering/ Electronics & Instrumentation Engineering, Valid GATE score and AMIE in appropriate branch.
58	Electronics	Automotive Electronics	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Automobile Engineering / Electronics & Communication Engineering / Electrical & Electronics Engineering / Electronics & Instrumentation Engineering / Telecommunication Engineering/ Mechatronics / Instrumentation Technology; AMIE in appropriate branch. GATE: ME, EC, EE, TE, MT, IT.
59	Electronics	Communication Systems	Bachelor's Degree in Engineering or Technology in Electronics & Communication / Electronics & Telecommunication Engineering / Telecommunication; AMIE in appropriate branch. GATE: EC, TE
60	Electronics	Digital Communication & Networking	Bachelor's Degree in Engineering or Technology in Electronics & Communication Engineering / Electronics & Telecommunication Engineering / Electronics & Instrumentation Engineering / Telecommunication Engineering / Instrumentation Technology; AMIE in appropriate branch. GATE: TE, EC
61	Electronics	Digital Communication Engineering	Bachelor's Degree in Engineering or Technology in Electronics & Communication / Electronics & Telecommunication Engineering / Telecommunication; AMIE in appropriate branch. GATE: EC, TE
62	Electronics	Digital Electronics	Bachelor's Degree in Engineering or Technology in Electronics & Communication / Electronics & Instrumentation Engineering / Instrumentation Technology / Electronics & Telecommunication / Telecommunication / Electrical & Electronics / Bio-Medical Engineering / Medical Electronics ; AMIE in appropriate branch. GATE: EC, EE, IT

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Sl. No.	Board	M.Tech./M.Arch. Programme	Eligible Under Graudate courses
63	Electronics	Digital Electronics & Communication	Bachelor's Degree in Engineering or Technology in Electronics & Communication / Electronics & Telecommunication Engineering / Telecommunication Engineering; AMIE in appropriate branch. GATE: EC, TE
64	Electronics	Digital Electronics & Communication Systems	Bachelor's Degree in Engineering or Technology in Electronics & Communication / Electronics & Telecommunication Engineering / Telecommunication Engineering; AMIE in appropriate branch. GATE: EC, TE
65	Electronics	Electronics	Bachelor's Degree in Engineering or Technology in Electronics & Communication / Electronics & Instrumentation Engineering / Instrumentation Technology / Electronics & Telecommunication / Telecommunication / Electrical & Electronics / Bio-Medical Engineering / Medical Electronics; AMIE in appropriate branch. GATE: EC, IT, EE, TE
66	Electronics	Industrial Electronics	Bachelor's Degree in Engineering or Technology in Electronics & Communication / Electronics & Instrumentation Engineering / Instrumentation Technology / Electronics & Telecommunication / Telecommunication / Electrical & Electronics / Bio-Medical Engineering / Medical Electronics; AMIE in appropriate branch. GATE: EC, IT, EE
67	Electronics	Radio Frequency & Microwave Engineering	Bachelor's Degree in Engineering or Technology in Electronics & Communication Engineering / Telecommunication Engineering
68	Electronics	Signal Processing	Bachelor's Degree in Engineering or Technology in Instrumentation Technology / Electronics & Communication Engineering / Electronics & Instrumentation Engineering / Telecommunication Engineering. GATE: EC, TE, IT, MI.
69	Electronics	VLSI Design & Embedded Systems	Bachelor's Degree in Engineering or Technology in Electronics & Communication / Electronics & Telecommunication Engineering / Electronics & Instrumentation Engineering / Instrumentation Technology / Telecommunication Engineering / Electrical & Electronics Engineering / Bio-Medical Engineering / Medical Electronics; AMIE in appropriate branch. GATE: EC, IT, EE
70	Electrical	Computer Application in Industrial Drives	Bachelor's Degree in Engineering or Technology in Electrical & Electronics; AMIE in appropriate branch. GATE: EE

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Sl. No.	Board	M.Tech./M.Arch. Programme	Eligible Under Graduate courses
71	Electrical	Energy System Engineering	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Electrical & Electronics Engineering / Chemical Engineering ; AMIE in appropriate branch. GATE: ME, EE, CH
72	Electrical	Energy Systems & Management	Bachelor's Degree in Engineering or Technology in Electrical & Electronics / Mechanical / Industrial Production / Industrial Engineering & Management / Chemical Engineering; AMIE in appropriate branch. GATE: EE, ME, PI
73	Electrical	Micro-Electronics and Control Systems	Bachelor's Degree in Engineering or Technology in Electrical & Electronics Engineering / Electronics & Communication; AMIE in appropriate branch. GATE : EE, EC.
74	Electrical	Power and Energy Systems	Bachelor's Degree in Engineering or Technology in Electrical and Electronics; AMIE in appropriate branch. GATE: EE
75	Electrical	Power Electronics	Bachelor's Degree in Engineering or Technology in Electronics & Communication / Electronics & Instrumentation Engineering / Instrumentation Technology / Electronics & Telecommunication / Telecommunication / Electrical & Electronics / Bio-Medical Engineering / Medical Electronics ; AMIE in appropriate branch. GATE: EC, IT, EE
76	Electrical	Renewable Energy	Bachelor's Degree in Engineering or Technology in Electrical & Electronics Engineering / Mechanical Engineering /Chemical Engineering / M.Sc. in Physics; AMIE in appropriate branch. GATE : EE, ME, CH, Physics
77	Electrical	Power System Engineering	Bachelor's Degree in Engineering or Technology in Electrical & Electronics Engineering; AMIE in appropriate branch. GATE: EE
78	Electrical	Energy Science and Technology	<b>Electrical &amp; Electronics Engineering</b> <b>AMIE in appropriate branch,</b> <b>GATE: Valid GATE score in appropriate branch</b>
79	Industrial Production	Industrial Engineering	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Automobile Engineering / Industrial & Production Engineering / Industrial Engineering & Management / Manufacturing Science & Engineering/Tool Engineering

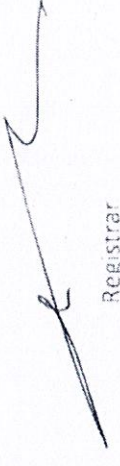
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80	Industrial Production	Manufacturing Science and Engineering	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Industrial Production Engineering / Automobile Engineering / Manufacturing Engineering / Industrial Engineering & Management / Precision Manufacturing; AMIE in appropriate branch. GATE: ME, PI
81	Industrial Production	Master of Engineering Management	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Automobile Engineering / Industrial & Manufacturing Science & Engineering
82	Industrial Production	Product Design and Manufacturing	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Industrial & Production Engineering / Automobile Engineering / Aeronautical Engineering / Manufacturing Engineering / Industrial Engineering & Management / Tool Engineering; AMIE in appropriate branch. GATE ME, PI, AE
83	Industrial Production	Production Engineering	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Industrial & Production Engineering / Automobile Engineering / Manufacturing Engineering / Industrial Engineering & Management; AMIE in appropriate branch. GATE: ME, IP
84	Industrial Production	Production Engineering and System Technology	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Industrial & Production Engineering / Automobile Engineering / Manufacturing Engineering / Industrial Engineering & Management; AMIE in appropriate branch. GATE: ME, PI
85	Industrial Production	Production Management	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Industrial & Production Engineering / Automobile Engineering / Manufacturing Engineering / Industrial Engineering & Management; AMIE in appropriate branch. GATE: ME, PI
86	Industrial Production	Production Technology	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Industrial & Production Engineering / Automobile Engineering / Manufacturing Engineering / Industrial Engineering & Management; AMIE in appropriate branch. GATE: ME, PI

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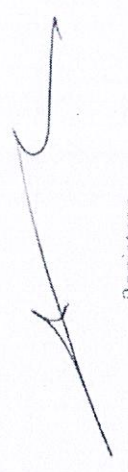
Sl. No.	Board	M.Tech./M.Arch. Programme	Eligible Under Graduate courses
87	Instrumentation	Bio-Medical Electronics and Industrial Instrumentation	Bachelor's Degree in Engineering or Technology in Bio-Medical Engineering / Medical Electronics / Instrumentation Engineering / Electronics & Communication Engineering / Electronics & Instrumentation Engineering / Electrical & Electronics Engineering; AMIE in appropriate branch. GATE: IN, EC, EE
88	Instrumentation	Bio-Medical Signal Processing and Instrumentation	Bachelor's Degree in Engineering or Technology in Computer Science & Engineering / Information Science & Engineering / Telecommunication Engineering / Bio-Medical Engineering / Medical Electronics / Instrumentation Engineering / Electronics & Communication Engineering / Electrical & Electronics Engineering; AMIE in appropriate branch. GATE: IN, EC, EE, CS, IS, TE
89	Instrumentation	Health Care Technology	Bachelor's Degree in Engineering or Technology in Medical Electronics / Instrumentation Technology / Bio-Medical Engineering / Electronics & Instrumentation Engineering
90	Instrumentation	Process Control Instrumentation	Bachelor's Degree in Engineering or Technology in Chemical Engineering / Mechanical Engineering / Instrumentation Technology / Bio-Medical Engineering / Electronics & Communication Engineering / Electronics & Instrumentation Engineering / Electrical & Electronics Engineering / Industrial & Production Engineering
91	Mechanical	Aerospace Propulsion Technology	Bachelor's Degree in Engineering or Technology in Aeronautical Engineering/Aerospace Engineering / Mechanical Engineering / Automobile Engineering / Automation & Robotics Engineering; AMIE in appropriate branch. GATE: ME, CE, PI, AE
92	Mechanical	Automotive Engineering	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Automobile Engineering / Industrial & Production Engineering / Instrumentation Engineering & Management / Manufacturing Science & Engineering / Automation & Robotics Engineering

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Sl. No.	Board	M.Tech./M.Arch. Programme	Eligible Under Graduate courses
93	Mechanical	Computational Analysis in Mechanical Sciences	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Automobile Engineering / Industrial & Production Engineering / Industrial Engineering & Management / Manufacturing Science & Engineering / Aeronautical Engineering / Aerospace Engineering / Aerospace Engineering / Automation & Robotics Engineering
94	Mechanical	Computational Fluid Dynamics	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Automobile Engineering / Automation & Robotics Engineering
95	Mechanical	Computer Aided Engineering	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Automobile Engineering / Aeronautical Engineering / Aerospace Engineering / Manufacturing Science & Engineering / Mechatronics / Automation & Robotics Engineering / GATE Score for corresponding branches mentioned above.
96	Mechanical	Computer Integrated Manufacturing	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Industrial & Production Engineering / Automobile Engineering / Manufacturing Engineering / Industrial Engineering & Management / Industrial Engineering & Manufacturing / Automation & Robotics Engineering/Tool Engineering; AMIE in appropriate branch. GATE: ME, PI
97	Mechanical	Design Engineering	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Industrial & Production Engineering / Automobile Engineering / Automation & Robotics Engineering/Tool Engineering; AMIE in appropriate branch. GATE: ME, PI
98	Mechanical	Engineering Analysis & Design	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Automobile Engineering / Industrial & Production Engineering / Manufacturing Science / Industrial Engineering / Production Engineering / Automation & Robotics Engineering/Tool Engineering; AMIE in appropriate branch. GATE: ME, PI



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Sl. No.	Board	M.Tech./M.Arch. Programme	Eligible Under Graduate courses
99	Mechanical	Industrial Automation & Robotics	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Automobile Engineering / Industrial & Production Engineering / Industrial Engineering & Management / Manufacturing Science & Engineering / Mechatronics / Electrical & Electronics Engineering / Electronics & Instrumentation Engineering / Electronics & Communication Engineering / Industrial Engineering & Management / Instrumentation Technology / Computer Science & Engineering / Automation & Robotics Engineering; AMIE in appropriate branch. GATE: ME, EE, EC, PI, IN, CS
100	Mechanical	Industrial Automation & Engineering	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Industrial & Production Engineering / Industrial Engineering & Management / Automobile Engineering / Manufacturing Science & Engineering / Mechatronics / Mining Engineering / Automation & Robotics Engineering / Electronics & Communication Engineering / Telecommunication Engineering / Electrical & Electronics Engineering / Instrumentation Technology / Electronics & Instrumentation Engineering / Automation & Robotics Engineering; GATE score for corresponding branches mentioned above
101	Mechanical	Machine Design	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Industrial & Production Engineering / Automobile Engineering / Tool Engineering; AMIE in appropriate branch. GATE: ME
102	Mechanical	Maintenance Engineering	Bachelor's Degree in Mechanical Engineering / Industrial & Production Engineering / Automobile Engineering / Industrial & Manufacturing Engineering / Industrial Engineering & Management / Mining Engineering; AMIE in appropriate branch. GATE: ME, MT, MN, PI
103	Mechanical	Material Science & Technology	Bachelor's Degree in Mechanical Engineering / Industrial & Production Engineering / Automobile Engineering / Aeronautical Engineering / Aerospace Engineering / Automation & Robotics Engineering / Ceramic Engineering / Ceramic and Cement Technology / Metallurgical Engineering / Polymer Science and Engineering / Manufacturing Science and Engineering

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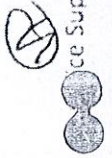
  
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Sl. No.	Board	M.Tech./M.Arch. Programme	Eligible Under Graduate courses
104	Mechanical	Mechatronics	Bachelor's Degree in Engineering in Electronics & Communication / Electrical & Electronics Engineering / Instrumentation Technology / Mechanical Engineering / Mechatronics / Automobile Engineering / Industrial & Production Engineering / Aeronautical Engineering / Aerospace Engineering / Electronics & Instrumentation Engineering / Automation & Robotics Engineering / Marine Engineering. GATE: EE, ME
105	Nanotechnology	Nanotechnology	Bachelor's Degree in Engineering or Technology in Nanotechnology/ Biotechnology/ Biomedical/Ceramics/ Ceramics & Cement/ Chemical Engineering/ Civil Engineering/ Environmental Engineering/ Electronics & Communication/ Telecommunication/ Mechanical/ Materials Sc. & Engg., Materials & Metallurgical/ Medical Electronics/ Biomolecular Engineering/ Instrumentation Technology/ Polymer Science/ Silk Technology / Textile Technology / AMIE in appropriate Branch GATE: in above mentioned branches
106	Mechanical	Thermal Power Engineering	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Automobile Engineering / Automation & Robotics Engineering ; AMIE in appropriate branch. GATE: ME
107	Mechanical	Thermal Engineering	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Aeronautical Engineering / Automobile Engineering / Automation & Robotics Engineering/ Aeronautical Engineering / Aerospace Engineering / Industrial and Production Engineering.
108	Mechanical	Thermo Fluid Engineering	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Industrial Production Engineering / Automobile Engineering / Manufacturing Science & Engineering / Automation & Robotics Engineering ; AMIE in appropriate branch. GATE: ME, PI
109	Mechanical	Tool Engineering	Bachelor's Degree in Engineering or Technology in Mechanical Engineering / Automobile Engineering / Automation & Robotics Engineering / Industrial and Production Engineering / Tool Engineering/ Marine Engineering ; AMIE in appropriate branch. GATE: ME, PI
110	Textile	Textile Technology	Bachelor's Degree in Engineering or Technology in Textile Technology / Silk Technology ; AMIE in appropriate branch. GATE: TF

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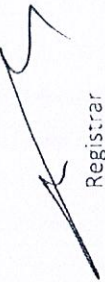
Sl. No.	Board	M.Tech./M.Arch. Programme	Eligible Under Graduate courses
111	Nanotechnology	Nano Science and Technology	Bachelor's Degree in Engineering or Technology in Nanotechnology/ Biotechnology/ Biomedical/Ceramics/ Ceramics & Cement/ Chemical Engineering/ Civil Engineering/ Environmental Engineering/ Electronics & Communication/ Telecommunication/ Mechanical/ Materials Sc. & Engg. Materials & Metallurgical/ Medical Electronics/ Bimolecular Engineering/ Instrumentation Technology/ Polymer Science/ Silk Technology / Textile Technology / AMIE in appropriate Branch GATE: in above mentioned branches <b>B.Sc(Hons) and M.Sc</b>
112	Textile	Textile Technology	Bachelor's Degree in Engineering or Technology in Textile Technology / Silk Technology ; AMIE in appropriate branch. GATE: T.F

**Note: Gate qualified candidates from only Engineering and Technology Disciplines are eligible to take admission to various M.Tech. Programmes**

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## ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ.ಟಿ.ಯು. ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ, ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

### Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama" Belagavi-590018, Karnataka, India



Prof. A. S. Deshpande B.E., M.Tech., Ph.D.  
REGISTRAR

Phone : (0831) 2498100  
Fax : (0831) 2405467

Ref: VTU/BOS/KEA/2022-23 3572

Date: 13 OCT 2022

To,  
The Principal Secretary  
Higher Education Department  
Government of Karnataka M S Building,  
Dr. Ambedkar Veedhi Bengaluru - 560 001.

Sir/Madam,

**Sub:** Academic eligibility criteria for M.Tech Programme in Nano Science and Technology  
2022-23 ---reg

Ref: 1.This office Letter No.VTU/BOS/KEA/2022-23/3177, dated 12-9-2022  
2. The Hon'ble Vice-Chancellor Approval dated: 7-10-2022

With reference to the above subject, please find enclosed herewith the eligibility criteria for admission to VTU M.Tech in Nano Science and Technology Programmes for the academic year 2022-23.

M.Tech. Programme	Eligible Under Graduate courses
Nano Science and Technology	Bachelor's Degree in Engineering or Technology in Nanotechnology/ Biotechnology/ Biomedical/Ceramics/ Ceramics & Cement/ Chemical Engineering/ Civil Engineering/ Environmental Engineering/ Electronics & Communication/ Telecommunication/ Mechanical/ Materials Sc. & Engg., Materials & Metallurgical/ Medical Electronics/ Bimolecular Engineering/ Instrumentation Technology/ Polymer Science/ Silk Technology / Textile Technology / B.Sc (Hons) and M.Sc graduates/ AMIE in appropriate Branch GATE : in above mentioned branches

This may kindly be included in PGCET 2022

Thanking You,

Yours faithfully,

REGISTRAR

Copy for information and needful to :

1. The Executive Director, Karnataka Examinations Authority Sampige Road, 18<sup>th</sup> Cross Malleshwaram, Bangalore - 560 012
2. The Hon'ble Vice-Chancellor through his secretary to VC VTU Belagavi
3. O.S. for KEA/Govt File
4. All the concerned S.O /Case worker of Academic section Belagavi.