



Commissionerate of Technical Education, Gujarat
Admission Committee for Professional Courses (ACPC)
Website: <https://acpc.gujarat.gov.in>
Helpline: 07926566000



Date: 15th Apr, 2026

Notice for admission to L&T Limited sponsored
M.E. (Met. & Mats.) (Welding Tech.) Program (2026-2028)
at
Department of Metallurgical & Materials Engineering.
Faculty of Technology & Engineering, M.S. University of Baroda,
Vadodara

All aspiring candidates fulfilling eligibility as mentioned below and are willing to secure admission to **L&T Limited sponsored, M. E. (Met. & Mats.) (Welding Tech.) Program (2026-2028)** of **Department of Metallurgical & Materials Engineering, Faculty of Technology & Engineering, M.S. University of Baroda, Vadodara** are hereby informed to apply as per following instructions and timeline.

Eligibility for admission: Candidates with B.E. (Metallurgy)/B.E. (Mechanical/ Production)/B.E. (Mechatronics) qualification with Min. 50% aggregate (45% for reserved category) in B.E. / B. Tech.

Refer to the brochure for more details.

No. of Sponsored Seats

- **L&T: 12** (Twelve) candidates
- **Other industries:** Additional candidates may be sponsored by leading welding industries

Total Intake: Tentatively 15 seats (out of which L&T will sponsor **12** candidates with stipend)

General Instructions for Applying for this course:

- In case of a candidate applying without being eligible, his/her application will be summarily rejected and his/her application fees will be forfeited. No correspondence will be entertained in this matter.
- The candidates, whose final year results are awaited, can also apply but they shall have to pass qualifying examination with minimum eligibility criteria as applicable for Non-sponsored /Sponsored as applicable at qualifying exam, however merit number/admission in such case will be allotted, if marksheet and provisional degree certificate of passing qualifying exam is submitted within the scheduled time limit.
- Candidates applying for this course will follow steps given below to apply on-line:
 - **Step-1:**
 - Visit <https://paydirect.edugfix.com/app>
 - Select institute: **ACPC – Gujarat**
 - Select branch: **MSU Baroda M E Welding Tech**
 - Enter your mobile number, Enter Captcha and register for e-payment of the registration fees by providing details like Name, Mobile number, e-mail id, and Date of birth
 - Once your profile is created, you will be taken to Continue to Pay > Payment Summary > Proceed. You will be shown modes of payment.
 - Make the payment of Rs. 1000.
 - Download receipt/acknowledgement of your payment and Save it in pdf format.

○ **Step-2**

- Fill all the details through following google link <https://forms.gle/saS95akTWY7oMP5RA> wherein you will also be prompted to upload receipt/acknowledgement of registration fees paid by you in Step-1 above.
- The list of candidates eligible for appearing in Test/interview will be notified by **Department of Metallurgical & Materials Engineering, Faculty of Technology and Engineering, MSU Vadodara at through mail** and candidate shall have to contact Faculty of Technology & Engineering, MSU, Vadodara for the further admission process.
- Eligible candidates will be called for entrance test. The Test and Interviews will be held at the **Dept. of Metallurgical & Materials Engineering, The M.S. University of Baroda, Vadodara- 390001 on, 15th & 16th June, 2026**. All the eligible candidates (Sponsor as well as Non-sponsor) shall have to appear in the M. E. (Met. & Mats.) (Welding Tech) Admission Entrance Test 2026 conducted by the afore-mentioned department. The eligible candidates for the sponsored category shall have to additionally appear for the L&T Entrance test 2026 consisting of (Aptitude Test) and Technical Test of respective branch in UG: Metallurgical /Mechanical /Production /Mechatronics Engg.) Conducted by the L&T followed by the first test. Candidates will be short listed for the interview based on performance in tests conducted as stated above; the shortlisted candidate's shall have to appear for the interview.
- **Candidates should bring Hard Writing Pads for the Admission test.**
- **All candidates must carry photo ID proof (Govt of India) and copy of Application form (with photograph) at the time of Test/Interview as well as all original documents as stated in application form.**
- No separate call letter will be issued for Test/interview. No TA/ DA will be paid to the candidates for appearing for the selection test/interview. For any details/queries regarding test/interview candidate shall have to contact aforementioned department.
- Candidates applying under SC/ST/EWS/EX-IN/PH category should bring original Caste Certificate at time of Interview issued by the Government of Gujarat.
- Candidates apply in under SEBC category should bring Cast Certificate as well as Non-Creamy-layer Certificate (**Issued after 1/4/2024**, Parishist-4 in Gujarati Format) at time of Interview issued by the Government of Gujarat.
- Please note that the selected candidates should arrange to pay the fees immediately as mentioned in the brochure.
- The syllabus for written test is available in this document before the application form.

Important Broad Tentative Dates for the Admission Process

Activity	Tentative dates
Last Submission of application form by payment of registration fees and filling of Google links Per above details (upload all necessary document online)	06/06/2026
Declaration/Information of Eligible Candidate List for MSU Test (First Test) and L&T Ltd test.	Mail will be sent by the Dept of Met. & Mat. Engg, Faculty of Technology and Engineering, MSU Vadodara on or before
Date of Test/Interview	15th & 16th June, 2026
Date, Place and time of Test	at 9:00A.M. (See below Table for detailed schedule) at Department of Metallurgical& Materials Engineering, Faculty of Technology and Engineering, The M.S. University of Baroda, Vadodara-390001.
Declaration of selected candidate For the program	16th June 2026, 5:00 PM
Commencement of Classes	1 st July, 2026
Note: Bring all original documents & xerox copy along with Application form on 15th June, 2026	

Detailed tentative Schedule of M. E. (Met. & Mats.) (Welding Tech.) admission Entrance Test and interview for the session 2026-2028

Day 1 Date: 15/06/2026, Monday		
Sr.No	Details of exam schedule	Time
1	Reporting of applicant to the Met. & Mats. Engg. Dept., Faculty of Tech & Engg, Kala bhavan, Vadodara	8.30 AM
2	Interaction of MSU representative with applicant regarding MSU Entrance test and Interaction of L & T representative with applicant regarding Criteria & Terms & condition for L & T sponsorship	9.00 AM to 9.15 AM
3	M.E. (Met. & Mats.) (Welding Tech) Admission Entrance Test 2025 Venue: Met. & Mats. Engg. Dept (Syllabus attached)	9.30 AM to 10.00 AM
4	L& T Entrance test 2025 (Aptitude Test) and (Technical Test of respective branch in UG: Metallurgical/Mechanical/Production/Mechatronics Engg.) Venue: Computer Lab, First Floor, Comp. Engg Dept., Faculty of Technology and Engineering (FTE),Vadodara	10.30 AM to 12.30 PM
5	Declaration shortlisted candidates or Personal Interviews (Allcandidates)	3.00 PM
6	Documents Verification (At Mineral Dressing Lab, FTE, Vadodara)	3.30 PM to 5.30 PM
7	Personal Interviews or Sponsor & Non-Sponsor Candidates	4.00 PM to 5.30 PM
Day 2 Date: 16/06/2026, Tuesday		
1	Documents Verification for remaining selected candidates (At Mineral Dressing Lab, FTE, Vadodara)	9.00 AM to 11.00 AM
2	Personal Interviews non sponsor & Non sponsor & Group discussion for remaining selected candidates	9.00 AM to 4.00 PM
3	Declaration of selected candidate for M.E.(Welding Tech) Program for (2025-2027)	5.00 PM

For any details/queries related to admission process and course, please contact following:

- **The Head& Director, Metallurgical and Materials Engg. Dept., Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda, Vadodara-390001**
 - *Drop message on Mobile Number:8141809696,9574659036*
 - *OR Email: head-metallurgy@msubaroda.ac.in,
sunil.d.kahar-metallurgy@msubaroda.ac.in*
 - *Website: <https://msubaroda.ac.in/academics/FTE/department/MET>*
- **Office of Admission Committee for Professional courses (ACPC), LD College of Engg. Campus, Ahmedabad-380015 (Help line: 07926766000, email: mtechedit.acpc@gmail.com)**
website: <https://acpc.gujarat.gov.in/me-mtech-courses>

--Admission Committee for Professional Courses

Scan QR code to Pay Online Registration Fee (Refer to Instructions given above)



Scan QR code to fill the Google form



Broad outline of Syllabus for M.E. (Welding Tech) Admission Test

1. Atomic Structure, Inter atomic Bonding and Structure of Crystalline Solids:

Atomic structure, atomic bonding in solids, crystal structures, crystalline and non-crystalline materials, Bravais lattices, unit cells, crystal structures, crystal planes and directions, Miller indices.

2. Alloying in metals:

Hume Rothery rules and Solid solutions.

3. Mechanical Properties of Metals:

Mechanical properties and Testing: Elastic deformation, plastic deformation, stress-strain diagram, ductile & brittle material, stress vs strength, toughness, hardness, fracture, fatigue and creep, testing such as strength testing, hardness testing, impact testing, fatigue testing creep testing, non- destructive testing (NDT), interpretation of tensile stress-strain curves, yield criteria and macroscopic aspects of plastic deformation.

4. Failure:

Fracture, ductile and brittle fracture, impact fracture, ductile to brittle transition, fatigue and creep failure.

5. Strengthening Mechanisms:

Various mechanisms of strengthening of metals.

6. Phase Diagrams:

Equilibrium phase diagram, types of phase diagrams, allotropy and phase change of pure iron, the iron-carbon system, phase transformations, transformation rate effects and TTT diagrams, microstructure and property changes in iron-carbon system.

7. Ferrous & non-ferrous materials:

Types of metals and alloys, brief introduction to iron and steel, various types of carbon steels, alloy steels and cast irons, their properties and uses, basics of copper, aluminum and its commercially important alloys

8. Heat treatment:

Thermal processing of metals, heat treatment of metals and alloys such as annealing, normalizing, quenching, tempering and case hardening, recovery, recrystallization and grain growth.

9. Corrosion and Degradation of Materials:

Corrosion of metals and alloys, types of corrosion and corrosion protection methods.

10. Manufacturing processes:

Casting, forging and wrought processes.

11. Metal joining:

Fabrication of metals, basic conventional metal joining processes such as welding, brazing and soldering, oxy- acetylene welding, arc welding, gas cutting.

12. Workshop practices:

Important workshop practices such as milling, shaping, machining, etc. at a glance.

References:

1. W.D. Callister, Jr, Material Science & Engineering, Addition-Wesley Publication.
2. K.M. Gupta, Materials Science, Umesh Publication.
3. Van Vlack –Elements of Material Science & Engineering, John Wiley& Sons.
4. V. Raghvan–Material Science, Prentice Hall
5. Narula– Material Science, TMH.
6. Srivastava, Srinivasan–Science of Materials Engineering, New Age Publication.