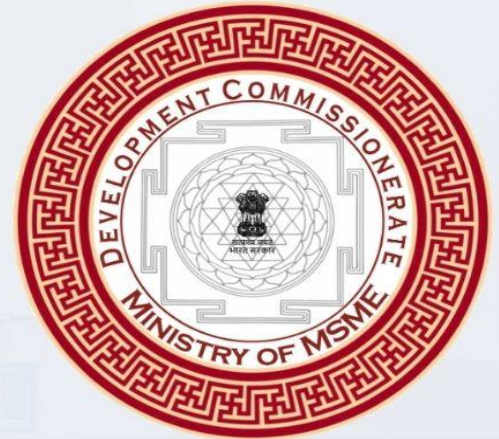




सत्यमेव जयते  
Ministry of MSME  
Govt. of India

# DIPLOMA PROSPECTUS 2025-26

DIPLOMA IN TOOL & DIE MAKING (DTDM)  
DIPLOMA IN MECHATRONICS (DIM)



01493242 101/140  
9373161259/60



trg.enq@msmetcbhiwadi.org

**MSME TECHNOLOGY CENTRE BHIWADI**  
Government of India Society  
Ministry of Micro, Small and Medium Enterprises (MSME)

VISIT US AT: [WWW.MSMETCBHIWADI.ORG](http://WWW.MSMETCBHIWADI.ORG)

## CONTENTS

Sr. No.	Contents	Page No.
1	Introduction	3
2	Facilities at MSME technology centre Bhiwadi	4
3	Main Objectives	4
4	Course Objectives	4
5	Training & Methodology	4
6	Training & Methodology	4
7	Scheduled Details	5
8	How To Apply	5
9	Instructions & Procedures for Online Registration	5-6
10	Schedule of Examination & Examination Fee Details	7
11	Question Paper, Syllabus & Pattern	7
12	Entrance Examination Syllabus	7-8
13	Reporting To Examination Centre	9
14	Attempting The Entrance Examination	9-10
15	Result Announcement	10
16	Counselling For Admission	11
17	Document Submission	11
18	Overview of Courses	12
19	Course Details	12-19
	I. DTDM (Diploma in Tool & Die Making)	
	II. DIM (Diploma in Mechatronics)	
20	Evaluation pattern	19
21	General Information	20
22	General Rules & Regulations	20-22
23	Holidays & Leaves	22
24	Placement	22
25	Infrastructure at a glance	23
26	Training Wide Spectrum of Latest Advance Machine & Software Set Up	23
27	Production Wide Spectrum of Latest Advance Machine & Software Set Up	23
28	Wide Spectrum Career Oriented Courses Offered on First-Come-First-Serve Basis	24-25
29	Production Services	26

## IMPORTANT DATES

<b>Commencement of Online Registration</b>	<b>01<sup>ST</sup> May 2025</b>
<b>Last Date of Online Registration</b>	<b>24<sup>th</sup> June 2025</b>
<b>Entrance Examination</b>	<b>28<sup>th</sup> June 2025</b>
<b>Merit List</b>	<b>28<sup>th</sup> June 2025</b>
<b>Admission / Counselling Schedule</b>	<b>30<sup>th</sup> June to 5<sup>th</sup> July 2025</b>
<b>Commencement of Course</b>	<b>14<sup>th</sup> July 2025</b>

## INTRODUCTION

MSME Technology Centre, Bhiwadi is a premium skill development and manufacturing technology centre established through the Ministry of Micro, Small and Medium Enterprises, Govt. of India under the auspices of World Bank. The primary objective of the TC is to provide the world-class education, skill development training and conduct innovation research at the interface of multiple disciplines to create high quality human resources in disciplinary and interdisciplinary areas of Engineering Technologies.

The Technology Centre manufactures high precision tools, Dies, Jigs & Fixtures and Moulds etc. and provides technological support and skilling manpower to MSMEs and other Industries. It also works on Job work basis for manufacturing and inspection of precision components.

MSME TC Bhiwadi conducts AICTE Approved Diploma Courses in Tool & Die making, Mechatronics and Logistics Technology and is also conducting various short-term and medium-term courses in various technologies from design software to manufacturing.

## ACTIVITIES

### TRAINING

- Long Term Course
- Medium Term Courses
- Short Term Courses
- Tailor made Courses
- Courses for International Trainees
- Seminars and Workshops

### DESIGN & MANUFACTURING

- Design & Manufacturing of Tools.
- Dies & Moulds
- Job work
- Precision Tools & Components.
- Precision machining
- Product Design and Development.

### CONSULTANCY & OTHERS

- Process & Product Improvement
- Automation Solutions
- Reverse Engineering
- Product development
- Quality System Support
- Turnkey Assignments
- Course Curriculum development



## **FACILITIES AT MSME TECHNOLOGY CENTRE BHIWADI**

The Technology Centre would be equipped with:

- Full-fledged training workshop
- Well-equipped Mechatronics & Robotics Kits including PLC, VLSI, SCADA, EMBEDDED SYSTEMS etc.
- Up to date Design & CAD/CAM/CAE facilities
- Well-equipped modern production workshop with latest CNC Machines to manufacture highly accurate jobs
- Vacuum Heat Treatment facilities
- Testing and Quality Control equipment
- Robotics & Automation
- Hydraulic & Pneumatic
- Welding

## **MAIN OBJECTIVES**

To serve small & medium enterprises, particularly metal and plastic groups in the fields of:

- Training to the students in Tool & Die Technology, CAD/CAM solutions
- Training in Mechatronics & Robotics for Industrial automation solutions
- Design development & Manufacturing of Quality Press Tools, Molds, Dies, Jigs & Fixtures, Gauges etc.
- Training on product developments & Design.

## **COURSE OBJECTIVES**

- To impart the highest degree of skill through job-oriented training in the relevant field of Tool & Die Technology & Mechatronics Technology.
- To develop industrial culture and work habits by inculcating professional ethics and values.
- To provide opportunity for gainful employment in high technology areas.
- To inculcate entrepreneurial skills with techno commercial knowledge for self-employment.
- To make the trainees aware about their responsibility towards the nation, the society and the environment.

## **TRAINING & METHODOLOGY**

- Maintaining a scientific blend of theory and practice, the trainee would be equipped to apply the acquired knowledge.
- The Centre would be equipped with state-of-art sophisticated imported machines and equipment incorporating latest CNC, CAD/CAM, CAE, Mechatronics & Robotics Technology, Vacuum Heat Treatment, CMM Metrology etc.
- The training would be imparted through the application of modern audio and video teaching aids.
- The Centre has a team of highly qualified and motivated trainers who are subjected to continuous up gradation of knowledge with Didactic and Pedagogical skills by Experts.
- Placement cell arranges campus interviews to help the trainees in planning their career commensurate with their potential and areas of interest.

### **SCHEDULED DETAILS:**

Admission to the following courses is offered through Entrance Examination for the Academic year 2025-26

### **THE COURSE DETAILS ARE:**

COURSE	DURATION	INTAKE	MINIMUM QUALIFICATION	AGE	TUITION FEES/PER ANNUM
<b>DIPLOMA IN TOOL &amp; DIE MAKING (AICTE Approved)</b>	Three Years	60	10th std. with Science & Maths or Equivalent with 35% marks in aggregate of all subjects.	Max 22 years as on 28/06/25 (3 years relaxation for SC/ST candidates)	Rs. 40,000 (Rs 20,000 per semester)
<b>DIPLOMA IN MECHATRONICS (AICTE Approved)</b>	Three Years	60			

MSME TC Bhiwadi has received approval from All India Council of Technical Education (AICTE) New Delhi & NOC from Govt. of Rajasthan to conduct above courses from this Academic year 2025-26. The selection / admission of students on merit basis (Entrance examination) and may be changed to current condition at the time of admission.

### **HOW TO APPLY:**

Candidate willing to take for any of the course mentioned above will have to register his Admission / her candidature for the Entrance Examination by the on-line Registration process through the link available on the MSME-TC Bhiwadi web site <http://msmetcbhiwadi.org/>. The candidate has to make the payment for registration to on-line Entrance Examination through the link provided in the on-line Registration Process. The Registration Fee of Rs.500/- (Rs.300/- in case of SC/ST candidates) plus applicable taxes is to be paid by individual candidate for a single course. Candidates are given choice to register for multiple courses. Candidates willing to register for more than one course will have to make additional payment for each course as applicable. Registration Fee is non-refundable. Candidates will be allowed to appear for on-line Entrance Examination after successful submission of online registration. The admit card to appear for on- line Entrance Examination would be E-mailed to the candidate at their given E-mail address.

### **INSTRUCTIONS AND PROCEDURES FOR ONLINE REGISTRATION**

1. Please read the instructions, procedure and Information carefully before you start filling the Online Application.
2. Entrance Examination 2025 will be conducted by MSME TECHNOLOGY CENTRE BHIWADI for admission to the AICTE approved 3 years Diploma in Tool & Die Making and 3 years Diploma in Mechatronics from the academic year 2025-26. For details, check Admission Notice available on Website.
3. Candidates can apply for Registration to Entrance Examination 2025 "Online" only.
4. **Assistance for Registration to Entrance Examination 2025 and for downloading the Admit Card is available at MSME TECHNOLOGY CENTRE BHIWADI Free of Cost.**
5. A candidate can register for the Entrance Examination 2025 on filling the basic information along with educational qualification details and further payment of fees for the Entrance Examination, candidate can generate Registration Confirmation. A copy of the same will be forwarded to the candidate's registered Email ID.
6. **Admit Card with allotted Roll No., Exam Time and Location for appearing the Entrance Examination 2025 will be E-mailed to candidate between 25<sup>TH</sup> June to 27<sup>TH</sup> June 2025 on his / her**

**registered Email ID.**

7. For any help, please forward your queries to [admission.tcbhiwadi@gmail.com](mailto:admission.tcbhiwadi@gmail.com) & [trg.eng@msmetchbiwadi.org](mailto:trg.eng@msmetchbiwadi.org) or call on 0149-3242 101 /139, 93731612 59 /60, 8595459104 & 8595447671
8. Candidate is allowed to submit only one Application Form. Multiple Applications of a candidate are liable to be rejected. However, the candidate has choice to select more than one course in the same application and Entrance Examination fee will be charged accordingly.
9. Candidates, those who have passed 10<sup>th</sup> / SSC examination with Science and Mathematics with 35 % marks in aggregate of all subjects are eligible to appear in Entrance Examination 2025 Also Candidates, those who have appeared for 10<sup>th</sup> / SSC Examination 2025 and are waiting for result are also permitted to apply for courses and appear for Entrance Examination 2025, his/her admission is subject to meeting eligibility criteria at the time of admission.
10. While filling the information for online registration, the candidate with SSC / 10<sup>th</sup> Passed Examination qualification shall provide total marks obtained out of maximum marks, where as the candidate on SSC/10<sup>th</sup> Examination appeared basis for year 2025 shall upload his/her Admit Card of the SSC/10<sup>th</sup> Examination.
11. The Age criteria for appearing in Entrance Examination 2025 is as follows: Max 22 years as on 28/06/25 (3 years relaxation for SC/ST candidates).
12. Requirement of Aadhaar- Clarification All the Indian citizen candidates should possess AADHAAR card issued by UIDAI. At the time of filling application form, the candidates will have to enter their AADHAAR number, name, date of birth & gender which will be validated with the UIDAI's data. Applicants not yet enrolled for Aadhaar, are hereby required to make application for Aadhaar enrolment in case he/she is entitled to obtain Aadhaar as per section 3 of Aadhaar Act. Such applicant may visit any Aadhaar enrolment center (list available at [www.uidai.gov.in](http://www.uidai.gov.in)) to get enrolled for Aadhaar.
13. Uploading of mandatory documents (images should be in JPG format and size should be between 10kb to 100kb)
  - a. 10<sup>th</sup>/ SSC Marks Memo (for Passed candidates) or 10<sup>th</sup>/ SSC Examination Admit Card (for Examination Appeared in 2025 candidates)
  - b. Transfer / Leaving Certificate / Birth Certificate or Date of Birth Proof
  - c. Aadhaar Card
  - d. Caste Certificate if applicable
  - e. The Scanned image of the Photograph of the candidate
  - f. The Scanned image of Signature of the candidate
14. The fee can be remitted in the following ways through online gateway:  
A. Credit Card                      B. Debit Card                      C. Net Banking                      D. UPI
15. Candidates must preserve their Admit Card and all documents till the admission in Institution is over.
16. Four Simple steps to Apply Online:
  - a. Fill the Online Application Form
  - b. Upload photo and signature
  - c. Make Payment of Fee by prescribed modes.
  - d. Print Registration Confirmation after Successful remittance of fee.
17. Candidate is required to mention only his/her own or parent's mobile number as all information/ communication will be sent on registered mobile number / e-mail ID.
18. The online application process will start from 01 May 2025 onwards. The last date for application is 24 June 2025. The details are:

### **EXAMINATION SCHEDULE**

Date of Examination, Entrance Examination 2025	28/06/2025 (Saturday)
Submission of on-line application forms & payment of fee	01.05.2025 To 24.06.2025 up to 24:00 Hrs. (IST)
Downloading of Registration Confirmation	On successful completion of online application (registration) and completion of payment fee for Entrance Examination 2025
Downloading of Provisional Admit Cards	Provisional admit card with allotted Roll No. & Examination time will be sent on candidate's registered email ID between 25 <sup>th</sup> July to 27 <sup>th</sup> July 2025
Declaration of Result	Display on <b>MSME TC Bhiwadi website</b> 28th June 2025 after 5 pm

For exact date, candidate may remain in touch with website.

### **ENTRANCE EXAMINATION FEE DETAILS**

FOR GENERAL / OBC	Rs.500/- (INR) per Course + Bank Charges as Applicable
FOR SC / ST	Rs.300/- (INR) per Course + Bank Charges as Applicable

Note: A candidate willing to apply for more than one course, fee in multiples (as applicable per Course as mention above) has to be paid.

### **SCHEDULE OF EXAMINATION & EXAMINATION FEES DETAILS:**

For any help, please forward your queries to [admission.tcbhiwadi@gmail.com](mailto:admission.tcbhiwadi@gmail.com) / [trg.engq@msmetcbhiwadi.org](mailto:trg.engq@msmetcbhiwadi.org) or call on PhoneNo. **0149-3242 101 /140 Mobile. 9373161259, 9373161260, 8595459104 & 8595447671** or visit <http://msmetcbhiwadi.org>.

### **QUESTION PAPER FOR ENTRANCE EXAMINATION (SYLLABUS & PATTERN)**

- Question Paper contains Subjects: English, Mathematics, General Science (Physics & Chemistry), General Knowledge and Mental Aptitude
- The total question paper will have 60 questions objective only.
- Each question will have 4 choices to be chosen
- Each question carries 1 mark for the right choice, no negative marks for wrong answers.
- Duration of the Entrance Examination would be 60 Minutes

### **ENTRANCE EXAMINATION SYLLABUS (Test will be in English medium only):**

#### **I) MATHEMATICS:**

##### **Arithmetic**

Percentage, Profit, Loss, Simple & Compound Interest, Discount, Commission, Highest, Common Factor & Least Common Factor, Multiple of Polynomials, Binary Numbers, Probability, Arithmetic Progression & Geometric Progression.

##### **Mensuration**

Areas & Circumference of Different Geometries, Surface Area & Volume of Diff Geometries Such As Cylinders, Cones, Cubes, Etc.

##### **Ratio and Proportion Variation**

Ratio of Real Numbers, Order In Ratios, Word Problems of Ratios, Properties of Ratios, Theorem on Equal Ratios, Proportion, K-Method  
Direct Variation & Inverse Variation, Formulae & The Concept of Variation

<b>Sim. Linear Equations</b>	Graphical method & algebraic methods
<b>Quadratic Equations</b>	Quadratic Equations, Solutions of a Quadratic Equations, Methods of solving Quadratic Equations, Factorization, Perfect Square Method, Formula Method
<b>Algebraic Expressions</b>	Polynomials, Degree of Polynomials, Sum, Product & Division of Polynomials. Coefficient form of Polynomials, Synthetic Division etc.
<b>Trigonometry:</b>	Trigonometrically Ratios, Measure of Angle, Relationships, Identities & Their Applications, etc.
<b>Statistics</b>	Numeral Data & Its Presentation, Cumulative Frequency Table, Representation of Statistical Data By Different Methods
<b>Geometry</b>	Similarity, Theorem of Pythagoras, Circle & Geometrical Constructions, Coordinate Geometry.
<b>II) SCIENCE &amp; TECHNOLOGY:</b>	
<b>Electricity, Electromagnetism</b>	Electric Current, Potential Difference, Current In Conductors & Electrolytes, : Electric Current, Potential Difference, Current In Conductors & Electrolytes Potential Difference, Heating Effect of Electric Current, Joules Law, Magnetic Field Due To Electric Current Different Cells.
<b>Sources of Energy</b>	Energy From Sun, Energy From Flowing Water, Nuclear Energy & Its Uses.
<b>Moving Objects &amp; of Motion</b>	Types of Motion, Distance & Displacement, Fundamental Quantities & System of Units, Uniform & Non-Uniform Motion, Scalars & Vectors, First, Second & Third Laws of Motion, Concept of Force, Inertia, Force Equation, Acceleration & Deceleration, Law of Conservation of Momentum, Gravitation & Law of Gravitation, Mass & Weight of An Object
<b>Work, Power &amp; Energy</b>	Concept of Work, Power & Energy, Their Units & Measurements, Types of Energy - Potential Energy & Kinetic Energy, Law of Conservation of Energy, Pressure In Fluids, Archimedes Principle
<b>Sound</b>	Nature Sound, Production, Propagation, Characteristics of Sound, Speed of Sound.
<b>Light</b>	Conversion & Diversion of Light, Lenses, Human Eye, Defects of Eye Vision, Refraction of Light, Law of Refraction, Refractive Index, Dispersion of Light And Scattering of Light
<b>Matter</b>	Properties & States of Matter, Change of State, Absorption of Heat, Elements, Compounds, Mixtures, Solutions & Their Types, Law of Chemical Combination, Law of Conservation of Matter, Law of Constant Proportion, Molecular Mass, Mole Concept, Valence & Chemical Symbols of Elements & Chemical Formulae of Compounds
<b>Atom</b>	Atomic Structure, Different Theories, Mass of Atom, Atomic No. & Valence, Isotopes, Periodic Classification of Elements, Etc
<b>Metals, Non-Metals</b>	Metal, Non-Metals & Their Physical & Chemical Properties, Occurrence of Metals & Corrosion of Metals.
<b>Acid Base Theory</b>	Acids, Bases, Indicators, Strength, Reactivity & Ionization of Acids & Bases, Salts
<b>Carbon &amp; Carbon Compounds</b>	Carbon & Its Properties, Carbon Compounds, Their Properties & Applications, Hydrocarbons, Saturated Unsaturated Carbon, Functional Groups & Nomenclature of Organic Compounds
<b>Chemical Reactions &amp; Their Types</b>	Concept of Chemical Reactions, Types of Chemical Reactions, Oxidation, Reduction & Neutralization.



**III) English**

Grammar, Vocabulary, Spell check

**IV) GENERAL KNOWLEDGE**

National and International Current Affairs and General Knowledge.

**V) MECHANICAL ABILITY**

Logical Thinking, Aptitude Test

**REPORTING TO EXAMINATION CENTRE**

1. Candidates & their parents are requested to read the instructions, procedure and Information carefully before you come to the examination. Candidates are advised to adhere to all the instructions given in the prospectus. Any infringement instructions shall entail disciplinary action including no entry in the examination center & ban from future process / examinations.
2. Entry in the examination center is allowed one hour before the start of the exam. Last entry in the examination center is 30 minutes before the start of the exam. It would be appropriate to visit the center a day before the examination to confirm the location, distance etc. of center to avoid delay. It is the responsibility of the candidate to reach the center on time. No candidate whatsoever is the reason shall be allowed in the examination center on start of the exam.
3. Parents may ensure that their ward is leaving for examination as per the instructions given in prospectus & reaching the examination center one hour before start of the examination. For the same your ward should leave the home, well in advance, considering the traffic, location of the center, mode of transportation available & weather conditions etc. to avoid any problem in reaching the center. Parent shall sign at appropriate place as an undertaking that they will ensure compliance of offline entrance examination rules.
4. Material to be brought on the day of examination Valid
  - a. Valid admit card
  - b. Photo ID - Aadhar card / Passport / PAN Card / School or College I Card
  - c. Passport size photograph
5. No arrangement will be made in the examination center for keeping any article / item / mobile / purse etc. of the candidate.
6. Candidate will strictly follow all the instructions issued to check unfair mean activities in the examination. Candidate will be frisked before commencement of the examination.
7. No candidate shall be allowed to use toilets in the last 30 minutes of examination.
8. No candidate shall be allowed to leave the examination hall before concluding the test.
9. No candidate shall be allowed to leave the examination hall without permission of the invigilator.
10. The admit card is issued provisionally to the candidate subject to his / her satisfying the eligibility conditions.
11. Candidate must preserve the admit card till the allotment of admission to the course in the institution

**ATTEMPTING THE ENTRANCE EXAMINATION 2025**

1. Permission for the examination hall to a candidate will be given after verification of the candidates admit card by the following documents.
  - A. Photograph & Signature of the candidate
  - B. Photo ID - Aadhar Card / Passport / PAN Card / School or College I Card
2. **Examination Process**
  - a. The candidate will move on his allotted seat provided to him.
  - b. Instructions for attempting the Entrance Examination will be given by Invigilator before start of Examination.
  - c. Examination shall be held in OMR mode.

- d. The candidates will be provided a Question Paper Booklet and an OMR answer sheet for answering the questions.
- e. The candidate must write his/her Roll Number, as allotted to him/her and printed in the Admit Card, on OMR Answer Sheet in boxes and darken appropriate circles with Blue/Black Ball Point Pen. Similarly, write Question Paper Booklet Number on OMR Answer Sheet. The candidate should not write his/her name, Registration Number and also not to make noting/scribbling on the Answer Sheet and Question Paper Booklet except in the space provided for rough work. In case any candidate fills in the information wrongly, the Institute will not take any responsibility of rectifying the mistake. The Question Paper Booklet Code as darkened by the candidate will be final and the result will be processed on the basis of the circle darkened by him/her.
- f. Candidates are required to correctly fill in the Question Paper Booklet Code (as mentioned on the top of the Question Paper Booklet) in the OMR Answer Sheet, as the same will be considered final for result computation. Candidates not filling the Question Paper Booklet Code will not be awarded any marks.
- g. Each candidate will be given Question Paper Booklet printed in English.
- h. Candidates should not open the seal of the Question Paper Booklet before the time specified for the commencement of the examination.
- i. The OMR Answer Sheet contains the serial number of questions as given in the Question Paper Booklet. Against each question number, there are four circles marked as A, B, C, and D which correspond to the four answer options of which one is to be darkened on the OMR Answer Sheet only. No marking should be done on the Question Paper Booklet.
- j. Candidates are required to sign in the OMR Answer Sheets and Attendance Sheet in the same manner as they have signed in their application form and Admit Card.
- k. The Question Paper Booklet will consist of 60 Multiple Choice Questions (MCQ's). Each question will be of one mark and for every question, four options designated as A, B, C and D are given in the Question Paper Booklet. The candidate is required to select one amongst the options corresponding to the question as his/her right answer and darken the circle i.e. A or B or C or D.
- l. Multiple darkened circles for a question will be treated as wrong answer. For question/s not answered i.e. blanks, no marks will be given or deducted.
- m. Candidate has no option to change/alter/erase the answer once he/she has answered the question by darkening the circle. Therefore, before darkening the circle corresponding to the question number, he/she is advised to ensure the correctness /authenticity of the answer. Use of white/correction fluid, eraser, blade, etc. is not allowed on the OMR Answer Sheet.
- n. The candidate will be required to surrender the OMR Answer & Question booklet at the conclusion of each session of examination against acknowledgement by the Invigilator on the admit card.
- o. Each question carries 1 mark for the right choice, no negative marks for wrong answers.
- p. The candidate will be allowed to leave the Examination Hall only with the due permission of the invigilator on confirmation of receipt of complete data.

## **RESULT ANNOUNCEMENT**

- a. The merit list of shortlisted candidates will be displayed on MSME TECHNOLOGY CENTRE BHIWADI website at <http://msmetcbhiwadi.org/> and a copy of the same will be Displayed on MSME TECHNOLOGY CENTRE Noticeboard.

- b. Shortlisted candidates as per merit list may also be provided the information on individual Registered mobile and email id regarding their selection and counselling schedule.

## **COUNSELLING FOR ADMISSION**

- a. The successful candidates will be offered for admission to the course as per the merit list
- b. If two or more than two candidates are having same score in the Online Entrance Examination, preference for selection will be given with the following criteria sequentially as below:
- Highest marks in SSC/10th Examination
  - Maximum marks in science
  - Maximum marks in Mathematics
  - Maximum marks in English
- c. Provisional Admission to a candidate will be confirmed based on the verification & submission of the original documents as mentioned below
- Admit Card
  - Transfer / Leaving Certificate
  - Aadhar Card
  - Signature of the candidate
  - 10th / SSC Mark sheet
  - Passport Size Photograph
  - Caste Certificate if applicable
  - Any other document, if necessary
- d. A candidate has to confirm his/her admission to the course by making the necessary payment for the course fees as given in the prospectus.
- e. Mode of payment for the course fees will be online payment only and the payment for the course fee has to be completed within the stipulated time as allotted.
- f. If any candidate as per the merit list does not report for counseling session as per schedule, then his / her candidature will be cancelled and next candidate in waiting as per the merit list shall be offered admission. Note: Candidate (He / She) will not be given admission in case He / She fails to submit any of the mandatory documents required to be submitted at the time of admission. No Relaxation in time shall be given for submission of the mandatory documents / certificates as mentioned in Document submission list as given below
- g. The candidate who fails to submit the mandatory documents and make the requisite payment within stipulated time will not be considered for the admission to the course and next candidate in waiting as per the merit list shall be offered admission. The management of MSME-TC Bhiwadi reserves right to incorporate changes in rules, regulations, course contents / syllabus, duration / schedule, intake capacity, course fees without prior notice.

## **DOCUMENT SUBMISSION**

Selected candidates are required to deposit following documents at the time of admission

- Original copy of SSC Mark Sheet.
- Original copy of Transfer / Leaving Certificate of last Education.
- Original copy of Caste Certificate (Wherever applicable) issued by competent authority. Non creamy layer certificate in case of OBC candidates.
- Medical Fitness Certificate from Civil Surgeon
- Certificate from Doctor for student Injected with TT Injection
- Passport size 8 photographs. Deposited documents shall be returned to the candidates only on completion of the course only.

**Deposited documents shall be returned to the candidates only on completion of the course only.**

## OVERVIEW OF COURSES

NAME OF THE COURSE	DIPLOMA IN TOOL & DIE MAKING	DIPLOMA IN MECHATRONICS
<b>Course Duration</b>	3 years	3 years
<b>Intake Per Year</b>	60	60
<b>Total Tuition Fee</b>	₹ 1,20,000	₹ 1,20,000
<b>Tuition Fee (Per Annum)</b>	₹ 40,000	₹ 40,000
<b>Security Deposit (One Time)</b>	₹ 5,000	₹ 5,000
<b>Insurance Premium (Per Annum)</b>	₹ 300	₹ 300
<b>Library Fee (Per Annum)</b>	₹ 500	₹ 500
<b>Internet Fee (Per Annum)</b>	₹ 200	₹ 200
<b>Hostel Charges (Per Semester)</b>	₹ 9,000	₹ 9,000
<b>Mess Charges (Per Semester)</b>	₹ 15,000	₹ 15,000
<b>Entry Qualification</b>	Passed 10 class with Science & Mathematics with minimum 35% aggregate marks of all subjects	
<b>Age</b>	Max 22 years as on 28/06/25 (3 years relaxation for SC/ST candidates)	
<b>Reservation of Seats</b>	Reservation for SC/ST/ OBC/PH are applicable as per rules Admission will not be given without Valid documents / certificates from Competent Authority.	
<b>Internship</b>	On successful completion of the course, the Trainees may have to undergo one-year internship, if required at the discretion of the Institute.	
<b>Medium of Instruction</b>	English	
<b>Course Structure</b>	Semester basis	
<b>Theory: Practical</b>	30: 70 Approx.	
Note: No fee shall be refunded on cancellation of admission or discontinuation		

## COURSE DETAILS

<b>Name of the Course</b>	<b>Diploma in Tool &amp; Die Making (DTDM)</b>
<b>Objectives</b>	To Design & Manufacture intricate tools like Press Tools, Plastic Molds, Jigs, Fixtures & Gauges etc. with exposure modern Die Design & Die Manufacturing technology independently
<b>Duration</b>	03 Years
<b>Intake</b>	60
<b>Course Fees</b>	Rs.1,20,000/-
<b>Eligibility</b>	10th Std. with 35% marks in aggregate
<b>Age</b>	Max 22 years as on 28/06/25 (3 years relaxation for SC/ST candidates)



**MSME TECHNOLOGY CENTRE BHIWADI**  
**DIPLOMA IN TOOL & DIE MAKING CURRICULUM- I<sup>st</sup> Semester**

Sr. No.	Subject Code	Subject Name	Teaching Scheme/ No. of Hours(per week)			Examination Scheme								Total Marks
			Theory (per week)	Practice (per week)	TOTAL (per week)	Theory				Practice				
						Sessional		Semester Exam		Sessional		Semester Exam		
						Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	
1	D1-01	COMMUNICATION SKILLS	2	1	3	40	20	60	30	NA	NA	NA	NA	100
2	D1-02	APPLIED MATHEMATICS-I	2	1	3	40	20	60	30	NA	NA	NA	NA	100
3	D1-03	APPLIED SCIENCE-I	2	2	4	40	20	60	30	50	25	NA	NA	150
4	D1-04	ENGINEERING DRAWING	2	6	8	NA	NA	NA	NA	40	20	60	30	100
5	D1-05	WORKSHOP PRACTICE-I	0	12	12	NA	NA	NA	NA	160	80	240	120	400
6	D1-06	WORKSHOP TECHNOLOGY-I	4	0	4	40	20	60	30	NA	NA	NA	NA	100
7	D1-07	ELECTRICAL & ELECTRONICS	2	0	2	40	20	60	30	NA	NA	NA	NA	100
8	D1-08	COMPUTER APPLICATIONS	1	3	4	NA	NA	NA	NA	40	20	60	30	100
<b>Total Teaching Hours</b>			<b>15</b>	<b>25</b>	<b>40</b>	<b>Total Marks</b>								<b>1150</b>



**MSME TECHNOLOGY CENTRE BHIWADI**  
**DIPLOMA IN TOOL & DIE MAKING CURRICULUM- II<sup>nd</sup> Semester**

Sr. No.	Subject Code	Subject Name	Teaching Scheme/ No. of Hours(per week)			Examination Scheme								Total Marks
			Theory (per week)	Practice (per week)	TOTAL (per week)	Theory				Practice				
						Sessional		Semester Exam		Sessional		Semester Exam		
						Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	
1	D2-01	ELECTRICAL & ELECTRONICS (WORKSHOP)	0	3	3	NA	NA	NA	NA	40	20	60	30	100
2	D2-02	APPLIED MATHEMATICS-II	2	1	3	40	20	60	30	NA	NA	NA	NA	100
3	D2-03	APPLIED CHEMISTRY	2	2	4	40	20	60	30	50	25	NA	NA	150
4	D2-04	MACHINE DRAWING	2	6	8	NA	NA	NA	NA	40	20	60	30	100
5	D2-05	APPLIED MECHANICS	2	2	4	40	20	60	30	NA	NA	NA	NA	100
6	D2-06	WORKSHOP PRACTICE-II	0	14	14	NA	NA	NA	NA	160	80	240	120	400
7	D2-07	WORKSHOP TECHNOLOGY & METROLOGY	4	0	4	40	20	60	30	NA	NA	NA	NA	100
<b>Total Teaching Hours</b>			<b>12</b>	<b>28</b>	<b>40</b>	<b>Total Marks</b>								<b>1050</b>



**MSME TECHNOLOGY CENTRE BHIWADI**  
**DIPLOMA IN TOOL & DIE MAKING CURRICULUM- III<sup>rd</sup> Semester**

Sr. No.	Subject Code	Subject Name	Teaching Scheme/ No. of Hours(per week)			Examination Scheme								Total Marks
			Theory (per week)	Practice (per week)	TOTAL (per week)	Theory				Practice				
						Sessional		Semester Exam		Sessional		Semester Exam		
						Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	
1	D3-01	THEORY OF MACHINE & MECHANISMS	2	1	3	40	20	60	30	NA	NA	NA	NA	100
2	D3-02	STRENGTH OF MATERIALS	3	1	4	40	20	60	30	NA	NA	NA	NA	100
3	D3-03	ADVANCE MANUFACTURING PROCESSES	2	0	2	40	20	60	30	NA	NA	NA	NA	100
4	D3-04	TOOL & DIE MAKING PRACTICE	0	20	20	NA	NA	NA	NA	160	80	240	120	400
5	D3-05	TOOL & DIE MAKING TECHNOLOGY	4	0	4	40	20	60	30	NA	NA	NA	NA	100
6	D3-06	ENGINEERING MATERIAL AND PROCESS	2	0	2	40	20	60	30	NA	NA	NA	NA	100
7	D3-07	COMPUTER AIDED DRAFTING (AUTOCAD)	2	3	5	NA	NA	NA	NA	40	20	60	30	100
<b>Total Teaching Hours</b>			<b>15</b>	<b>25</b>	<b>40</b>	<b>Total Marks</b>								<b>1000</b>



**MSME TECHNOLOGY CENTRE BHIWADI**  
**DIPLOMA IN TOOL & DIE MAKING CURRICULUM- IV<sup>th</sup> Semester**

Sr. No.	Subject Code	Subject Name	Teaching Scheme/ No. of Hours(per week)			Examination Scheme								Total Marks
			Theory (per week)	Practice (per week)	TOTAL (per week)	Theory				Practice				
						Sessional		Semester Exam		Sessional		Semester Exam		
						Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	
1	D4-01	CNC TECHNOLOGY & PROGRAMMING	2	4	6	40	20	60	30	40	20	60	30	200
2	D4-02	TOOL & DIE MAKING PRACTICE - II	0	16	16	NA	NA	NA	NA	160	80	240	120	400
3	D4-03	DESIGN OF JIG, FIXTURES & GAUGES - I	1	3	4	40	20	60	30	40	20	60	30	200
4	D4-04	DESIGN OF PRESS TOOLS - I	1	3	4	40	20	60	30	60	30	90	45	250
5	D4-05	DESIGN OF MOULDS - I	1	3	4	40	20	60	30	60	30	90	45	250
6	D4-06	C PROGRAMMING	1	3	4	NA	NA	NA	NA	40	20	60	30	100
7	D4-07	DESIGN OF CUTTING TOOLS	2	0	2	40	20	60	30	NA	NA	NA	NA	100
<b>Total Teaching Hours</b>			<b>8</b>	<b>32</b>	<b>40</b>	<b>Total Marks</b>								<b>1500</b>



**MSME TECHNOLOGY CENTRE BHIWADI**  
**DIPLOMA IN TOOL & DIE MAKING CURRICULUM- V<sup>th</sup> Semester**

Sr. No.	Subject Code	Subject Name	Teaching Scheme/ No. of Hours(per week)			Examination Scheme								Total Marks
			Theory (per week)	Practice (per week)	TOTAL (per week)	Theory				Practice				
						Sessional		Semester Exam		Sessional		Semester Exam		
						Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	
1	D5-01	CNC MACHINING	2	10	12	NA	NA	NA	NA	160	80	240	120	400
2	D5-02	TOOL & DIE MAKING PRACTICE - III	0	8	8	NA	NA	NA	NA	160	80	240	120	400
3	D5-03	DESIGN OF JIG & FIXTURES - II	1	3	4	40	20	60	30	40	20	60	30	200
4	D5-04	DESIGN OF PRESS TOOLS - II	1	3	4	40	20	60	30	60	30	90	45	250
5	D5-05	DESIGN OF MOULDS - II	1	3	4	40	20	60	30	60	30	90	45	250
6	D5-06	MACHINE DESIGN WITH ADVANCE CAD	3	3	6	NA	NA	NA	NA	40	20	60	30	100
7	D5-07	INDUSTRIAL ENGG. & QUALITY SYSTEMS	2	0	2	40	20	60	30	NA	NA	NA	NA	100
<b>Total Teaching Hours</b>			<b>10</b>	<b>30</b>	<b>40</b>	<b>Total Marks</b>								<b>1700</b>



**MSME TECHNOLOGY CENTRE BHIWADI**  
**DIPLOMA IN TOOL & DIE MAKING CURRICULUM- VI<sup>th</sup> Semester**

Sr. No.	Subject Code	Subject Name	Teaching Scheme/ No. of Hours(per week)			Examination Scheme								Total Marks
			Theory (per week)	Practice (per week)	TOTAL (per week)	Theory				Practice				
						Sessional		Semester Exam		Sessional		Semester Exam		
						Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	
1	D6-01	ENTERPRENEURSHIP DEVELOPMENT	2	0	2	NA	NA	NA	NA	50	25	NA	NA	50
2	D6-02	CNC MACHINING & AUTOMATION	2	8	10	NA	NA	NA	NA	160	80	240	120	400
4	D6-03	COMPUTER ADIED MANUFACTURING	1	3	4	NA	NA	NA	NA	40	20	60	30	100
5	D6-04	TOOL & DIE MAKING	0	10	10	NA	NA	NA	NA	160	80	240	120	400
6	D6-05	DESIGN OF MOULDS - III	1	3	4	40	20	60	30	60	30	90	45	250
7	D6-06	DESIGN OF DIE CASTING DIES	1	3	4	40	20	60	30	40	20	60	30	200
8	D6-07	DESIGN OF FORGING DIES	1	3	4	40	20	60	30	40	20	60	30	200
9	D6-08	PRODUCTION PLANNING, ESTIMATING & COSTING	2	0	2	40	20	60	30	NA	NA	NA	NA	100
<b>Total Teaching Hours</b>			<b>10</b>	<b>30</b>	<b>40</b>	<b>Total Marks</b>								<b>1700</b>

## COURSE DETAILS

<b>Name of the Course</b>	<b>Diploma in Mechatronics (DIM)</b>
<b>Objectives</b>	To acquaint the trainee with required knowledge in the field of Mechatronics for the application of Industrial automation & other areas of industrial application
<b>Duration</b>	03 Years
<b>Intake</b>	60
<b>Course Fees</b>	Rs.1,20,000/-
<b>Eligibility</b>	10th Std. with 35% marks in aggregate
<b>Age</b>	Max 22 years as on 28/06/25 (3 years relaxation for SC/ST candidates)



### MSME TECHNOLOGY CENTRE BHIWADI DIPLOMA IN MECHATRONICS- 1<sup>ST</sup> Semester

Sr. No.	Subject Code	Subject Name	Teaching Scheme/ No. of Hours(per week)			Examination Scheme								Total Marks
			Theory (per week)	Practice (per week)	TOTAL (per week)	Theory				Practice				
						Sessional		Semester Exam		Sessional		Semester Exam		
						Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	
1	M1-01	COMMUNICATION SKILLS	2	2	4	40	20	60	30	NA	NA	NA	NA	100
2	M1-02	ENGINEERING MATHEMATICS-I	2	2	4	40	20	60	30	NA	NA	NA	NA	100
3	M1-03	APPLIED PHYSICS	2	2	4	40	20	60	30	NA	NA	NA	NA	100
4	M1-04	ENGINEERING GRAPHICS	2	6	8	NA	NA	NA	NA	40	20	60	30	100
5	M1-05	COMPUTER FUNDAMENTALS	2	4	6	50	25	NA	NA	40	20	60	30	150
6	M1-06	WORKSHOP PRACTICE-I	4	10	14	40	20	60	30	160	80	240	120	500
<b>Total Teaching Hours</b>			<b>14</b>	<b>26</b>	<b>40</b>	<b>Total Marks</b>								<b>1050</b>



### MSME TECHNOLOGY CENTRE BHIWADI DIPLOMA IN MECHATRONICS- 2<sup>ND</sup> Semester

Sr. No.	Subject Code	Subject Name	Teaching Scheme/ No. of Hours(per week)			Examination Scheme								Total Marks
			Theory (per week)	Practice (per week)	TOTAL (per week)	Theory				Practice				
						Sessional		Semester Exam		Sessional		Semester Exam		
						Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	
1	M2-01	ENGINEERING MATHEMATICS – II	2	2	4	40	20	60	30	NA	NA	NA	NA	100
2	M2-02	MACHINE DRAWING AND COMPUTER AIDED DRAFTING	4	4	8	50	25	NA	NA	40	20	60	30	150
3	M2-03	ENGINEERING MECHANICS	2	2	4	40	20	60	30	NA	NA	NA	NA	100
4	M2-04	BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING	4	0	4	40	20	60	30	NA	NA	NA	NA	100
5	M2-05	ELECTRICAL & ELECTRONICS (WORKSHOP)	0	8	8	NA	NA	NA	NA	40	20	60	30	100
6	M2-06	BASICS OF MECHANICAL ENGINEERING SYSTEMS & AUTOMATION	2	6	8	40	20	60	30	40	20	60	30	200
7	M2-07	APPLIED CHEMISTRY	2	2	4	40	20	60	30	NA	NA	NA	NA	100
<b>Total Teaching Hours</b>			<b>16</b>	<b>24</b>	<b>40</b>	<b>Total Marks</b>								<b>850</b>





**MSME TECHNOLOGY CENTRE BHIWADI**  
**DIPLOMA IN MECHATRONICS- 3<sup>RD</sup> Semester**

Sr. No.	Subject Code	Subject Name	Teaching Scheme/ No. of Hours(per week)			Examination Scheme								Total Marks
			Theory (per week)	Practice (per week)	TOTAL (per week)	Theory				Practice				
						Sessional		Semester Exam		Sessional		Semester Exam		
						Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	
1	M3-01	STRENGTH OF MATERIALS	2	2	4	40	20	60	30	NA	NA	NA	NA	100
2	M3-02	CONTROL SYSTEM	2	4	6	40	20	60	30	40	20	60	30	200
3	M3-03	DIGITAL ELECTRONICS	2	4	6	40	20	60	30	40	20	60	30	200
4	M3-04	ELECTRICAL CIRCUITS AND PANELLING	2	4	6	40	20	60	30	40	20	60	30	200
5	M3-05	INTRODUCTION TO ELECTRO-MECHANIC SENSORS & ACTUATORS	2	4	6	40	20	60	30	40	20	60	30	200
6	M3-06	THERMODYNAMICS & HEAT TRANSFER	2	2	4	40	20	60	30	NA	NA	NA	NA	100
7	M3-07	INDUSTRIAL ENGINEERING	2	0	2	40	20	60	30	NA	NA	NA	NA	100
8	M3-08	MACHINE DESIGN WITH ADVANCE CAD	2	4	6	NA	NA	NA	NA	50	25	100	50	150
<b>Total Teaching Hours</b>			<b>16</b>	<b>24</b>	<b>40</b>	<b>Total Marks</b>								<b>1250</b>



**MSME TECHNOLOGY CENTRE BHIWADI**  
**DIPLOMA IN MECHATRONICS- 4<sup>TH</sup> Semester**

Sr. No.	Subject Code	Subject Name	Teaching Scheme/ No. of Hours(per week)			Examination Scheme								Total Marks
			Theory (per week)	Practice (per week)	TOTAL (per week)	Theory				Practice				
						Sessional		Semester Exam		Sessional		Semester Exam		
						Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	
1	M4-01	MANUFACTURING PROCESS & MECHATRONICS FUNDAMENTALS	2	4	6	40	20	60	30	50	25	NA	NA	150
2	M4-02	POWER ELECTRONICS	2	4	6	40	20	60	30	40	20	60	30	200
3	M4-03	MICROCONTROLLER PROGRAMMING	2	6	8	40	20	60	30	40	20	60	30	200
4	M4-04	METROLOGY & QUALITY CONTROL	2	2	4	40	20	60	30	50	25	0	0	150
5	M4-05	C-PROGRAMMING	2	6	8	40	20	60	30	40	20	60	30	200
6	M4-06	PROFESSIONAL PRACTICES & MINI PROJECT	0	8	8	NA	NA	NA	NA	50	25	100	50	150
<b>Total Teaching Hours</b>			<b>10</b>	<b>30</b>	<b>40</b>	<b>Total Marks</b>								<b>1050</b>



**MSME TECHNOLOGY CENTRE BHIWADI**  
**DIPLOMA IN MECHATRONICS- 5<sup>TH</sup> Semester**

Sr. No.	Subject Code	Subject Name	Teaching Scheme/ No. of Hours(per week)			Examination Scheme								Total Marks
			Theory (per week)	Practice (per week)	TOTAL (per week)	Theory				Practice				
						Sessional		Semester Exam		Sessional		Semester Exam		
						Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	
1	M5-01	CNC PROGRAMMING & MACHINING	2	6	8	40	20	60	30	40	20	60	30	200
2	M5-02	INDUSTRIAL HYDRAULICS & PNEUMATIC	2	6	8	40	20	60	30	40	20	60	30	200
3	M5-03	THEORY OF MACHINE	2	4	6	40	20	60	30	NA	NA	NA	NA	100
4	M5-04	PLC PROGRAMMING	2	6	8	40	20	60	30	40	20	60	30	200
5	M5-05	ADVANCE MANUFACTURING PRACTICES	2	0	2	40	20	60	30	NA	NA	NA	NA	100
6	M5-06	ELECTRICAL DRIVES AND CONTROL	2	6	8	40	20	60	30	50	25	NA	NA	150
<b>Total Teaching Hours</b>			<b>12</b>	<b>28</b>	<b>40</b>	<b>Total Marks</b>								<b>950</b>



**MSME TECHNOLOGY CENTRE BHIWADI**  
**DIPLOMA IN MECHATRONICS- 6<sup>TH</sup> Semester**

Sr. No.	Subject Code	Subject Name	Teaching Scheme/ No. of Hours(per week)			Examination Scheme								Total Marks
			Theory (per week)	Practice (per week)	TOTAL (per week)	Theory				Practice				
						Sessional		Semester Exam		Sessional		Semester Exam		
						Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	Max. Marks	Min. to pass	
1	M6-01	EMBEDDED SYSTEM DESIGN	2	6	8	40	20	60	30	40	20	60	30	200
2	M6-02	MECHATRONICS SYSTEM DESIGN	2	6	8	40	20	60	30	100	50	NA	NA	200
3	M6-03	ROBOTICS	2	4	6	40	20	60	30	100	50	NA	NA	200
4	M6-04	PROJECTS	0	12	12	NA	NA	NA	NA	100	50	200	100	300
		ANY ONE OF FOLLOWING (OPTIONAL SUBJECT):												
5	M6-05	PANEL ENGINEERING	2	4	6	40	20	60	30	50	25	NA	NA	150
6	M6-06	SCADA AND HMI	2	4	6	50	25	NA	NA	40	20	60	30	150
7	M6-07	ENTERPRENEURSHIP DEVELOPMENT	2	4	6	40	20	60	30	50	25	NA	NA	150
<b>Total Teaching Hours</b>			<b>8</b>	<b>32</b>	<b>40</b>	<b>Total Marks</b>								<b>1050</b>

**Long term course admission schedule 2025-2026**

<b>Diploma in Tool &amp; Die Making (DTDM)</b>	<b>14/07/2025 TO 31/07/2028</b>
<b>Diploma in Mechatronics (DIM)</b>	<b>14/07/2025 TO 31/07/2028</b>

Institute reserves right to incorporate changes in course contents, course duration, IntakeCapacity, No. of batches & course fees without prior notice.

**COURSE RULES FOR ADMISSION, EXAMINATION, EVALUATION & AWARD (CERTIFICATION)**

**APPLICABLE FOR**

**DIPLOMA IN TOOL & DIE MAKING, DIPLOMA IN MECHATRONICS**

**SEMESTER PATTERN-FULL TIME**

A very compressive system of evolution exit to monitor the progress of the trainee. The trainees are regularly evaluated through a series of assignments, test & practical exercises etc. The required counseling is given to those who have learning difficulties.

The guidelines of evaluation will be implemented prevailing at the time of admission and approved by competent authority.  
MSME TC reversed the right to change & implement evaluation strategy time to time after obtaining approval from competent authority.

EVALUATION PATTERN																		
TYPES OF EVALUATION PATTERNS	EVALUATION PATTERN								PASSING			EVALUATION DURATION X INSTANCES						
	Class Test	SESSIONAL (40% of Total Marks)						SEMESTER EXAM (60% of Total Marks)		TOTAL MARKS	SESSIONAL (Min. 50%)	SEMESTER EXAM (Min. 50%)	Min. pass in subject	Class Test	Semester Exam (Theory)	Termwork	Semester Exam(practical) HELD PRIOR TO SEMESTER EXAM (THEORY)	Semester Exam(practical) HELD WITH SEMESTER EXAMS (THEORY)
		Work Book, Assignments & Behaviour (3 times at regular interval)	Planning & Process Evaluation	Practical exercise / Product mfg	Presentation, Oral & Viva Voce	Report	THEORY	PRACTICAL										
<b>THEORY SUBJECTS</b>																		
GENERAL THEORY	T1	30	10	-	-	-	-	60	-	100	20	30	50	1h X 3x	3h X 1x	-	-	-
GENERAL THEORY (WITHOUT SEMESTER EXAM)	T1A	50	25	-	-	-	25	-	-	100	50	-	50	1h X 1x	-	-	-	
WORKSHOP TECHNOLOGY	T2	30	10	-	-	-	-	60	-	100	20	30	50	1h X 3x	2h X 1x	-	-	-
WORKSHOP TECHNOLOGY (WITHOUT SEMESTER EXAM)	T2A	50	25	-	-	-	25	-	-	100	50	-	50	1h X 1x	-	-	-	
<b>PRACTICE SUBJECTS</b>																		
WITHOUT CLASS TEST & SEM. EXAM	P1	-	20	-	-	30	50	-	-	100	50	-	50	-	-	7wks X 3x	-	-
ENGG. METROLOGY	P2	-	-	10	30	-	-	60	-	100	20	30	50	-	-	7wks X 3x	-	1.5h X 1x
ENGG. METROLOGY (WITHOUT SEMESTER EXAM)	P2A	-	25	-	50	25	-	-	-	100	50	-	50	-	-	-	-	-
CNC PROGRAMMING, CA, AUTOCAD, MDT & OTHER CAD, CAM & CAE SOFTWARES (WITH SEMESTER EXAM)	P3	-	10	-	20	10	-	60	-	100	20	30	50	-	-	7wks X 3x	-	3h X 1x
CNC PROGRAMMING, CA, AUTOCAD, MDT & OTHER CAD, CAM & CAE SOFTWARES (WITHOUT SEMESTER EXAM)	P3A	-	25	-	50	25	-	-	-	100	50	-	50	-	-	-	-	-
ENGG DRG PRACTICE	P4	-	-	10	30	-	-	60	-	100	20	30	50	-	-	7wks X 3x	-	4h X 1x
ENGG DRG PRACTICE (WITHOUT SEMESTER EXAM)	P4A	-	25	-	50	25	-	-	-	100	50	-	50	-	-	-	-	-
TOOL DESIGN PRACTICE	P5	-	-	10	30	-	-	60	-	100	20	30	50	-	-	7wks X 3x	-	5h X 1x
TOOL DESIGN PRACTICE (WITHOUT SEMESTER EXAM)	P5A	-	25	-	50	25	-	-	-	100	50	-	50	-	-	7wks X 3x	-	5h X 1x
WORK SHOP PRACTICE CNC MACHINING	P7	-	-	30	100	20	10	-	240	400	80	120	200	-	-	-	-	-
WORK SHOP PRACTICE CNC MACHINING (WITHOUT SEMESTER EXAM)	P7A	-	25	-	50	25	-	-	-	100	50	-	50	-	-	-	-	-
TOOL & DIE MAKING (EXERCISES)	P8	-	-	30	100	20	10	-	240	400	80	120	200	-	-	7wks X 1x	12h X 1x	-
TOOL & DIE MAKING (EXERCISES)	P8	-	-	30	100	20	10	-	240	400	80	120	200	-	-	7wks X 1x	12h X 1x	-
TOOL & DIE MAKING (PRODUCTION ORDERS)	P9	-	-	60	300	20	20	-	400	400	200	-	200	-	-	7wks X 3x	-	-
INPLANT AWARENESS / FUNDAMENTALS OF CONVENTIONAL MACHINING OPERATIONS, MEASUREMENTS, CNC MACHINING, ENGINEERING DRAWING, GD&T, MATERIALS, HYDRAULICS, PNEUMATICS & CAD/ CAM/ CAE SOFTWARE	P10	-	25	-	75	-	-	100	-	100	30	-	30	-	-	20wks X 1x	-	-
INPLANT AWARENESS / FUNDAMENTALS OF CONVENTIONAL MACHINING OPERATIONS, MEASUREMENTS, CNC MACHINING, ENGINEERING DRAWING, GD&T, MATERIALS, HYDRAULICS, PNEUMATICS & CAD/ CAM/ CAE SOFTWARE	P10A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PROJECT	P11	-	25	-	300	75	200	-	600	600	300	-	300	-	-	20wks X 1x	-	-
PROJECT	P12	-	-	50	25	25	-	100	-	100	50	-	50	-	-	20wks X 1x	-	-
PROJECT	P12A	-	10	-	40	25	25	-	100	100	50	-	50	-	-	-	-	-

- Teaching Hours:** 8 hours per day (excluding lunch), five days per week.
- Attendance:** It is compulsory to attain 80% attendance for appearing semester and final: exams in all the training courses.
- Original certificates:** Original certificates of school Leaving certificate and mark sheet of 10th: Standard (Caste certificate for reserved Candidates) are to be deposited with MSME TECHNOLOGY CENTRE BHIWADI by the selected candidates at the time of admission, which will be returned after completion of the course only.
- Institute Security Deposit:** Institute Security Deposit is to be paid towards the caution money against the Tools & Instruments, etc. whichever will be: issued to the Trainees. This amount is refundable at the time of leaving after completion of course and on production of no dues from the concerned sections.
- Uniform & Safety Shoes:** Trainees shall be required to wear uniform & shoes as prescribed by the Institute.

- Hostel:** Separate hostel facilities may be provided for outstation boys & girls subject to the availability of the accommodation at the discretion of the Institute.
- Mess:** Membership of mess is compulsory for all the inmates. The Mess charges for the entire semester have to be deposited in advance. The Mess charges shall be decided by a Mess Committee for every.

## **HOLIDAYS AND LEAVES**

- Holidays:** There are maximum of 17 holidays fixed by the Management during each Calendar year.

## **DISCIPLINE AND PERFORMANCE**

The trainee is bound by the Rules and Regulations of the MSME TECHNOLOGY CENTRE BHIWADI as laid down by the Management from time to time. The trainee and his guardian will have to give an undertaking to this effect. Wherever it is found necessary, MSME-TC will take strict disciplinary action as stipulated in the Rules of the MSME TECHNOLOGY CENTRE BHIWADI. This may amount to a warning, suspension or termination as the case warrants. In case of unsatisfactory progress of a trainee, the Management will fix a period of probation and give notice in writing to the trainee and the guardian. In case no improvement is evident within the specific period, the traineeship will be terminated.

## **GENERAL RULES & REGULATIONS**

1. Admissions are open for Boys & Girls; eligible candidates will be offered admission on basis as per norms.
2. MSME-TC Bhiwadi reserves the right to reject any application without assigning any reason. Incomplete applications are liable to be rejected.
3. Reservation as per Government of India norms for AICTE / NSQF compliant courses only.
4. Candidates belonging to reserved category should substantiate their claim by enclosing a Caste certificate issued by competent authority.
5. Medium of instruction is English only.
6. Caste Certificate & all necessary educational certificates in original form issued by competent authority is to be produced for verification at the time of admission which may be re-verified from the issuing authority if required.
7. Admission to the course will be given only on deposition of registration fee, other fee, first semester tuition/course fee, Security deposit along with submission of relevant educational documents & caste certificate as applicable.
8. Registration Fee / Course Fee is non-refundable / non-transferrable in case any candidate cancels his admission for any reason.
9. Payment of Fee: Any fee for admission to the course / Training program should be deposited through online mode UPI, (Net Banking) or can be deposited in SBI Power Jyoti Account at any Branch of State Bank of India in the prescribed form available on the MSME- TC BHIWADI website. Registration fee (Non-Refundable) to be paid at the time of registration to the course, balance fee (Security Deposit / Course Fee) to be paid on confirmation of admission to the course by MSME TC BHIWADI / Centre. **No fee will be accepted by Cash / Cheque.**
10. Course fee once paid will not be refunded under any circumstances.
11. Security Deposit will be refunded only on successful completion of the course.
12. Admission to the course once confirmed will not be cancelled/transferred under any circumstances & fees paid will be forfeited.
13. Course fee for the higher / next semester has to be paid within one week from the starting date of semester. All the candidates belonging to SC/ST category have to fill in fresh application form

every three months from the starting date of Course. Late fee will be charged as a fine from the due date as applicable for all trainees.

14. MSME-TC Bhiwadi reserves right to incorporate changes in course content, duration, intake capacity, No. of batches & course fee without prior notice. The course fees as applicable at the starting of the batch / Course will have to be borne by the candidate, including taxes.
15. Change of batch / Course or Re-admission to the courses may be permitted on payment of extra charges as applicable.
16. Security Deposit shall be forfeited, in case of loss of original receipt of the security deposit.
17. Registration Form is for application to the course only for admission purpose.
18. Movement of trainee within the campus shall be restricted to his / her allotted work place.
19. All the trainees will ensure discipline within the campus.
20. Regular attendance will have to be maintained by the trainee as per course schedule & 90% attendance is compulsory in all subjects individually.
21. All the internal assessments, assignments, evaluations will have to be attended / completed from time to time as per course schedule only.
22. Working hours are 8 hrs. /day (excluding lunch) in different shifts / timing as prescribed by the MSME TECHNOLOGY CENTRE BHIWADI / Centre.
23. The machines / Equipment / Furniture must be handled carefully. No act of damage to MSME TECHNOLOGY CENTRE BHIWADI / Centre properly shall be carried out by the trainee. Any loss or damage to property, fine as charged by management to be paid by the trainee. GENERAL RULES & REGULATIONS.
24. Trainee have to ensure the proper utilization of MSME TECHNOLOGY CENTRE BHIWADI / Centre property including Water & Electricity usage.
25. Laptop, Mobile phone, Pen Drive, CD or any other related items are not permitted inside MSME TECHNOLOGY CENTRE BHIWADI / Centre premises.
26. Trainee shall be required to wear uniform and shoes as prescribed by the MSMETCBHIWADI / Centre and possess I-Card compulsory during training.
27. Trainees will abide by the examination rules and regulations displayed on Notice Board of MSME TECHNOLOGY CENTRE BHIWADI / Centre and as amended from time to time.
28. Leave without information / permission will not be entertained.
29. Trainees going on leave or to home during vacation should inform the Course Co- coordinator compulsory.
30. MSME TECHNOLOGY CENTRE BHIWADI / Centre is not responsible for damage of individual / personal property within around the campus.
31. No trainee shall organize / conduct any meeting within the campus.
32. Smoking & Chewing Tobacco, possessing or drinking Alcoholic beverages in any form is strictly prohibited within MSME TECHNOLOGY CENTRE BHIWADI / Centre premises.
33. Ragging is strictly prohibited in the Premises.
34. Writing any comment / Remarks/ Name on Doors, Walls, Toilet, Notice Board is strictly prohibited.
35. Violations of above & any other Rules, Regulations, Disciplines and Conduct etc. are liable for disciplinary action.

### **HOSTEL ACCOMMODATION**

Separate hostel facilities may be provided for outstation boys & girls Subject to the availability of the accommodation at the discretion of the institute on extra cost as applicable.

## RULES FOR AWARDING OF CERTIFICATE

The evaluation system consists of continuous assessment of each module / subject to assess the performance of trainee. Trainees who qualify in the examination shall be placed in different divisions according to the average marks obtained. i.e.

% OF MARKS OBTAINED (Only passed Candidates) Semester-wise & Consolidated Mark List	Grade
> = 75%	DISTINCTION
> = 60% TO < 75%	FIRST
> = 50% TO < 60%	SECOND
> = 50%	PASS

## PLACEMENT

Students trained at MSME TC Bhiwadi are readily accepted in Industry as employees due to the extensive Job Oriented skill education. More than 400+ Trainees are already selected by various organizations or have become self-employed.



## INFRASTRUCTURE AT GLANCE

Total Plot Area 40792 Sq. M.	Total built up area 19212 Sq. M.
Captive Power Generation	2000 KVA Installed Power Capacity
Central Air Conditioning	Clean and Dust Free Environment
Administration Block	Compressed Air Supply
Production Block	Dining Block
Training Block	Multipurpose Auditorium
Boys Hostel	Girls Hostel
Executive Hostel	Staff Accommodation
Multipurpose Open-Air Auditorium	Underground Water Reservoirs

## **TRAINING**

### **WIDE SPECTRUM OF LATEST ADVANCE MACHINE & SOFTWARE SET UP**

CNC MILLING	Con-Milling-V-H-U	CNC-Simulation Modules
CNC- Mill+Turn-Table Top	CNC - Lathe	Con-Lathe
CIM Lab	Work benches	Welding workshop
Surface Grinding	CMM + metrology lab equips	Cyl-grinding
Basic Automation Lab	Hydraulics Lab	Pneumatics Lab
Autotronics - Lab	ANSYS	AUTOCAD
E-CAD	UNIGRAPHICS- NX	SOLIDWORKS
HYPERMESH	CATIA	CRE-O
E-PLAN	MATLAB	SCADA

## **PRODUCTION**

### **ULTRAMODERN STATE-OF-THE-ART TOOL ROOM FACILITIES**

CNC Milling-5axis	Vacuum Heat Treatment Furnace	CNC Turn Mill
CNC Milling-3axis	Wire EDM	EDM
Die spotting press	Injection Moulding machine	CNC Lathe
Gun drilling machine	Radial drill machine	Surface Grinding
Cyl Grinding	CMM (Coordinate MeasuringMachine)	Material Testing Lab

**MSME TC Bhiwadi also provide Wide Spectrum Career Oriented Courses offered on First-Come-First-Serve Basis**



भारत सरकार  
GOVERNMENT  
OF INDIA

सत्यमेव जयते

SCAN TO REACH OUR LOCATION



SCAN TO REACH OUR WEBSITE



## HOW TO REACH US

- INDRA GANDHI INTERNATIONAL AIRPORT DELHI TO MSME TC BHIWADI - 75 KM
- REWARI JUNCTION, RAILWAY STATION TO MSME TC BHIWADI - 38 KM
- BUS STAND TO MSME TC BHIWADI - 12.5 KM

एम. एस. एम. ई. प्रौद्योगिकी केंद्र भिवाड़ी,  
सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय, भारत सरकार की सोसाइटी

MSME TECHNOLOGY CENTRE BHIWADI

Ministry of Micro, Small and Medium Enterprises, Govt of India society  
वेबसाइट / website : [www.msmetcbhiwadi.org](http://www.msmetcbhiwadi.org)

FOLLOW US ON:-

