

## MSME Technology Centre-Visakhapatnam

### Admission Procedure, Hostel Admission Procedure and Fee Structure FOR ADMISSION INTO FULL TIME DIPLOMA COURSES

#### **1.0 Method of Examination Procedure:**

The offline written entrance examination will be conducted by The **Andhra University, Visakhapatnam** at various Examination Centre's as mentioned in the admission notice on the date and time notified. The entrance test will be of objective type consisting of three Sections and the duration is for 2 Hours. The syllabus for the entrance exam is as appended below. The question paper for examination is in both English & Telugu languages. The medium of instruction of our Diploma courses in English.

<b>Section</b>	<b>Subject</b>	<b>No of Objective Questions</b>	<b>Marks</b>
<b>I</b>	Mathematics (SSC/10 <sup>th</sup> Std.) Syllabus: Refer Annexure 1 Ref Books: SBTET - POLY CET Books	50	50
<b>II</b>	Science and Technology (SSC/10 <sup>th</sup> Std.) Syllabus: Refer Annexure 1 Ref Books: SBTET - POLY CET Books	50	50
<b>III</b>	General English Grammar, General Knowledge and Mental Ability (Reasoning) (SSC/10 <sup>th</sup> Std.) Syllabus: Refer Annexure 1 Ref Books: Competitive Examination Books	20	20
<b>Grand Total</b>		<b>120</b>	<b>120</b>

Each correct answer shall fetch 1 (one) mark and there is no negative marking for wrong answers.

The result of the Entrance Test shall be declared by 10th day after the date of the Entrance examination a merit list will be prepared based on the total marks secured in the entrance test and final selection will be done on merit. In case there is a tie in the total marks secured, the higher marks acquired in Mathematics section will be considered for awarding of Rank.

In case still there is tie in total marks and Mathematics marks, the higher marks obtained in Science and Technology section will be considered for awarding Rank.

If by chance, still tie is there in Total marks, Maths marks, Science and Technology marks then based on the Date of Birth (DOB) of the candidate, whoever is elder (Who born earlier) will be considered for awarding rank.

The result shall be displayed on the notice board of the MSME Technology center, Visakhapatnam and also shall be published in the our website **[www.msmevcizag.org](http://www.msmevcizag.org)**.

Counseling to the eligible candidates will be conducted at MSME TC, Visakhapatnam. The selection procedure would be as per the regulations and guidelines of the Ministry of Education –New Delhi. The Reservation shall be made for the candidates belonging to EWS/OBC/Scheduled Castes/ Scheduled Tribes as per rules of the Ministry of Education –New Delhi in vogue.

The Course wise and Category wise allotted seats information is as follows

S.no	Type Of Course	Duration	Total No of Seats	Gen	EWS	OBC	SC	ST
1	Advanced Diploma in Die and Mould Making	3+1 Year	60	24	6	16	9	5
2	Advanced Diploma in Mechatronics and Industrial Automation	3 Year	60	24	6	16	9	5

**Note: However in case of filling of vacant seats-due procedure and guidelines of the Ministry of MSME will be followed.**

### **2.0 Course Fees:**

The Candidates admitted to the course shall pay a tuition fees @ Rs. 20,000/- per semester and other fee details mentioned in **Annexure-II**. The fees are required to

be paid at the beginning of each semester /every year. The fee's may be revised by the competent authority from time to time.

MSME Technology Centre, Visakhapatnam registered in National Scholarship portal. The eligible minorities, orphans and girl student may get scholarship's as per rules and regulations of AICTE and AISHE.

The '**Jagananna vidyadeevena**' and '**Jagananna vasathideevena**' schemes are under consideration by the Social Welfare department, Government of Andhra Pradesh for approval. Eligible candidates can apply for these schemes subjected to the approval from AP state competent authority.

As per the Ministry of education guidelines 22.5% seats are reserved for SC/ST candidates for whom no tuition fee will be charged subject to production of two self-attested photo copies of latest Caste Certificate and copy of Aadhar card which are mandatory. However, all other fees / deposits are to be paid at the time of admission. Caste Certificate in original from competent authority is to be produced for verification at the time of admission which may be re-verified from the issuing Authority.

### **3.0 Hostel Facility and Fees**

#### **Admission**

Bonafide Trainees of the Centre only are eligible for admission to the Hostel as Boarders. It is not compulsory for any trainee to stay in the Hostel. Hostel facility shall be provided subject to availability of accommodation. Trainees seeking admission to the Hostel shall apply through Hostel Superintendent to the Chairman. The Centre acting through Hostel committee, Hostel Superintendent and reserves the right to refuse admission to any trainee. If a trainee secures admission in to Hostel, he/she shall become boarder of the Hostel on payment of fees as may be prescribed from time to time.

Hostel accommodation is three seater dormitory rooms. Refer **Annexure III** for Fee Structure of Hostel.



Senior Manager (Training)

**SYLLABUS FOR ENTRANCE EXAM**

<b>Section I: MATHEMATICS-50 Questions-50 Marks</b>	
<b>Arithmetic</b>	Percentage, Profit, Loss, Simple & Compound Interest, Discount, Commission, Highest, Common Factor & Least Common Factor, Multiple of Polynomials, Binary Numbers, Probability, Arithmetic Progression & Geometric Progression.
<b>Mensuration</b>	Areas & Circumference of Different Geometries, Surface Area & Volume of Diff Geometries Such As Cylinders , Cones, Cubes, Etc.
<b>Ratio and Proportion</b>	Ratio of Real Numbers, Order In Ratios, Word Problems of Ratios, Properties of Ratios, Theorem on Equal Ratios, Proportion, K-Method
<b>Variation</b>	Direct Variation & Inverse Variation, Formulae & The Concept of Variation
<b>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 Representation of Statistical Data By Different Methods
<b>Geometry</b>	Similarity, Theorem of Pythagoras, Circle & Geometrical Constructions, Coordinate Geometry

**Section II: SCIENCE&TECHNOLOGY- 50 Questions-50Marks**

<b>Electricity, Electric, spark &amp; 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, and 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.

<b>Section III: General- 20 Questions-20Marks</b>	
<b>English</b>	Grammar, Vocabulary, Spell check
<b>General Knowledge</b>	National and International Current Affairs and General Knowledge.
<b>Mechanical ability</b>	Logical Thinking, Aptitude Test

### FEE STRUCTURE FOR FULL TIME DIPLOMA COURSES

S.No	Fees Particulars	One Time at the Time of Admission	Per Semester (INR)*
1.	Tuition Fee		Rs 20,000*
2.	Syllabus Book	Rs 100	
3.	Laboratory and Workshop	Rs 1,000	
4.	Admission Fee	Rs 1,000	
5.	Management Information System Services Fee	Rs 500	
6.	Games Fee	RS 100	
7.	Library Fee	Rs 500	
8.	Development Fee	Rs 1,500	
9.	Caution Deposit	Rs 2,000*	
10.	Insurance		Rs 500
	<b>Total</b>	<b>Rs 6,700</b>	<b>Rs. 20,500</b>

**\*Note: In one year there will be two semesters. However for the SC/ST candidates Tuition Fee is waved off (No Tuition fee)**

**\*Caution Deposit**

The selected candidates will have to make a Security Deposit of Rs. 2000/- at the time of admission. This deposit shall be refundable on completion of training after deduction of any dues to the Centre or Hostel Committee or both without any interest. In case, a trainee leaves the course in between, the above deposit will be forfeited.

## ANNEXURE-III

### HOSTEL FEE STRUCTURE FOR FULL TIME DIPLOMA COURSES

S.No	Fees Particulars	One Time at the Time of Admission	Per Semester (INR)
1.	Admission Fee	Rs 1,000	
2.	Security Deposit*	Rs 2,000*	
3.	Hostel Fee	Rs 1,000	Rs 9,000
4.	Electricity and Maintenance Charges		Rs 600
<b>Grand Total</b>		<b>Rs 4,000</b>	<b>Rs 9,600</b>

In Beginning of semester above fees to be paid.

Note: Mess Charges will be calculated per candidate every month on the actuals basis and is to be paid accordingly .This mess bill per each candidate may vary from month to month depending on his attendance.

#### **\*Security Deposit**

Refundable to the Boarders without interest when they leave the Hostel after adjustment of pending dues, if any. Similarly,

**Note:** All fees are payable in advance except the Mess charges which are to be paid as per time schedule decided by the Mess Committee.