

TECHNICAL EDUCATION DEPARTMENT

GOVERNMENT OF GUJARAT



DR. S. & S. S. GHANDHY COLLEGE OF ENGG. & TECH., SURAT

Affiliated to

GUJARAT TECHNOLOGICAL UNIVERSITY

METALLURGYDEPARTMENT (NBA ACCRIDITED) BOOKLET

AS PER NEW GTU CURRICULUM 2021 ONWARDS





METALLURGY DEPARTMENT



ABOUT DEPARTMENT

In 1965, the Metallurgy Department was established at Dr. S. & S. S. Ghandhy College of Engineering and Technology, Surat, in South Gujarat. It stands as the sole institute offering a diploma program in metallurgy in Gujarat. The institute operates under the governance of the Department of Technical Education, Government of Gujarat. The Diploma Metallurgy program is duly approved by the All India Council for Technical Education (AICTE), New Delhi, and is affiliated with Gujarat Technological University, Ahmedabad.

The Metallurgy Department is dedicated to meeting the increasing global demand for skilled human resources in the field of metals. Metallurgy encompasses the production, properties, uses, shaping, and treatment of metals and their alloys. The faculty members of the department are highly educated, with one faculty member having completed her Ph.D., and most others are registered for Ph.D. programs. Since its establishment, the department has seen its alumni successfully placed in various industries and academic institutions.

In recognition of its excellence, the Metallurgy Department obtained accreditation from the National Board of Accreditation (NBA) in 2008. Subsequently, it also received NBA accreditation for the period spanning 21-22 to 23-24.

| STUDENT INTAKE/YEAR: | | |
|-----------------------------|------|----------------|
| Name of Department | Year | Student Intake |
| Motallung, Donortmont | 1965 | 30 |
| Metanurgy Department | 2004 | 62 |
| | | |

DURATION OF COURSE:

03 years, six semesters (including one full term industrial training in sixth semester as per old syllabus and Industrial internship in semester 3 and 5 as per new GTU curriculum).

ENTRY LEVEL:

- 1. 10th Standard Pass (1st Sem. Entry)
- 2. Certificate course of duration 2 years from ITI (3rd Sem. Entry)

ADMISSION:

Admission through Central Admission Committee for Professional Diploma Courses on the basis of state level merit List. **For More information visit www.acpdc.co.in**

VISION:

"To lead in diploma metallurgical engineering education with focus on innovation and sustainable development of industry and society".

MISSION:

- To impart and empower students with relevant knowledge, competence and creativity with special emphasis on metallurgical engineering.
- To promote conducive environment for all round development of students.
- To promote linkages with external agencies to meet changing needs of industry and society.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

- The metallurgy diploma graduate will be able to make successful career in metallurgical industry to meet ever changing needs of industry.
- To enable diploma graduate for lifelong learning and higher studies.
- Identifying and engage in innovation, become an entrepreneur for sustainable development of society.

PROGRAM SPECIFIC OUTCOMES (PSOs):

- Apply the fundamental knowledge of metallurgy for the benefit of society, industries and research organizations.
- Diploma holders will be able to select suitable techniques for testing of metals and alloys.

PROGRAM OUTCOMES (POs):

- **1. Basic and Discipline specific knowledge:** Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
- **2. Problem analysis:** Identify and analyse well-defined engineering problems using codified standard methods.
- **3. Design/ development of solutions:** Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.
- **4. Engineering Tools, Experimentation and Testing:** Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
- **5. Engineering practices for society, sustainability and environment:** Apply appropriate technology in context of society, sustainability, environment and ethical practices.
- **6. Project Management:** Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
- **7. Life-long learning:** Ability to analyse individual needs and engage in updating in the context of technological changes.

| | | | | SEMES' | ΓER – I | | | | | | |
|----------------|---|-------------|--------|--------|---------|--------------------|----|-----------|----|-------|--|
| | | T | EACHIN | ١G | | EXAMINATION SCHEME | | | | | |
| COURSE CODE | COURSE TITLE | SCHEME/WEEK | | | (L+T+P) | THEORY | | PRACTICAL | | TOTAL | |
| | | L | T P | | Е | Μ | Ι | V | | | |
| 4300001 | MATHEMATICS | 3 | 1 | 0 | 4 | 70 | 30 | 0 | 0 | 100 | |
| 4300002 | COMMUMICATIOM SKILLS IN ENGLISH | 2 | 0 | 2 | 3 | 70 | 30 | 25 | 25 | 150 | |
| 4300009 | APPLIDE CHEMISTRY | 3 | 0 | 2 | 4 | 70 | 30 | 25 | 25 | 150 | |
| 4300013 | BASIC ENGINEERING DRAWING AND GRAPHICS | 2 | 0 | 4 | 4 | 70 | 30 | 25 | 25 | 150 | |

TEACHING SCHEME FOR DIPLOMA IN METALLURGY ENGINEERING

| 4300015 | SPORTS AND YOGA | 0 | 0 | 2 | 0 | 0 | 0 | 50 | 0 | 50 |
|---------|---|---|----|-----|-----|-----|-----|-----|----|-----|
| 4301901 | ENGINEERING WORKSHOP PRACTICE | 0 | 0 | 4 | 2 | 0 | 0 | 25 | 25 | 50 |
| 4312101 | INTRODUCTION TO ENGINEERING MATERIALS | 3 | 1 | 0 | 4 | 70 | 30 | 0 | 0 | 100 |
| | TOTAL | | 21 | 350 | 150 | 150 | 100 | 750 | | |

| | SEMESTER – II | | | | | | | | | | | |
|---------|--|-----|--------|------|--------------------|--------------------|----|-------|-------|-------|--|--|
| COURCE | | T | EACHIN | IG | CDEDUTC | EXAMINATION SCHEME | | | | | | |
| CODE | COURSE TITLE | SCH | EME/W | 'EEK | (L+T+P) | THEORY | | PRAC' | ΓICAL | TOTAL | | |
| | | L | Т | Р | | Е | Μ | Ι | V | | | |
| 4300003 | ENVIRONMENT AND SUSTAINABILITY | 3 | 0 | 0 | 3 | 70 | 30 | 0 | 0 | 100 | | |
| 4300004 | APPLIED PHYSICS | 3 | 0 | 2 | 4 | 70 | 30 | 25 | 25 | 150 | | |
| 4300008 | ENGINERING MECHANICS | 3 | 0 | 2 | 4 | 70 | 30 | 25 | 25 | 150 | | |
| 4300010 | BASICS OF INFORMATION AND COMMUNICATION TECHNOLOGY | 0 | 0 | 4 | 2 | 0 | 0 | 25 | 25 | 50 | | |
| 4300014 | BASICS OF ELECTRICAL AND ELECTRONIC ENGINEERING | 0 | 2 | 2 | 3 | 0 | 0 | 25 | 25 | 50 | | |
| 4300016 | INDIAN CONSTITUTION | 2 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 50 | | |
| 4300017 | BASICS OF MECHANICAL ENGINEERING | 0 | 2 | 2 | 3 | 0 | 0 | 25 | 25 | 50 | | |
| 4322101 | PHYSICAL METALLURGY-1 | 3 | 0 | 0 | 3 | 70 | 30 | 0 | 0 | 100 | | |
| | TOTAL | | | | 22 280 120 175 125 | | | | 700 | | | |

| | SEMESTER – III | | | | | | | | | | | |
|----------------|--------------------------------|----|-------|------|--------------------|--------------------|---|-----------|----|-------|--|--|
| | | TE | ACHIN | IG | | EXAMINATION SCHEME | | | | | | |
| COURSE CODE | COURSE CODE COURSE TITLE | | | 'EEK | CREDITS (L+T+P) | THEORY | | PRACTICAL | | TOTAL | | |
| | | L | Т | Р | | Е | М | Ι | V | | | |
| 4330001 | SUMMER INTERNSHIP-I | 0 | 0 | 2 | 1 | 0 | 0 | 25 | 25 | 50 | | |

METALLURGY DEPARTMENT BOOKLET

| 4332101 | MINERAL PROCESSING | 3 | 0 | 2 | 4 | 70 | 30 | 25 | 25 | 150 |
|---------|-----------------------------------|----|---|----|----|-----|-----|-----|-----|-----|
| 4332102 | PHYSICAL METALLURGY-II | 3 | 0 | 4 | 5 | 70 | 30 | 50 | 50 | 200 |
| 4332103 | JOINING OF METAL | 4 | 0 | 4 | 6 | 70 | 30 | 50 | 50 | 200 |
| 4332104 | FUEL FURNACES AND REFRACTORIES | 3 | 0 | 0 | 3 | 70 | 30 | 0 | 0 | 100 |
| 4332105 | METAL FORMING PROCESS | 3 | 1 | 0 | 4 | 70 | 30 | 0 | 0 | 100 |
| | TOTAL | 16 | 1 | 12 | 23 | 350 | 150 | 200 | 200 | 800 |
| | | | | • | | | | | | |

| | SEMESTER – IV | | | | | | | | | | | | |
|---------|--|------|-------|------|---------|--------------------|-----|-----------|-----|-------|--|--|--|
| 0011000 | | TI | EACHI | NG | 0000 | EXAMINATION SCHEME | | | | | | | |
| COURSE | COURSE TITLE | SCHE | EME/W | /EEK | (L+T+P) | THEORY | | PRACTICAL | | TOTAL | | | |
| | | L | Т | Р | | Е | Μ | Ι | V | | | | |
| 4340001 | ESSENCE OF INDIAN KNOWLEDGE AND TRADITION(ELECTIVE -1) | 2 | 0 | 0 | 2 | 70 | 30 | 25 | 25 | 150 | | | |
| 4340002 | CONTRIBUTOR PERSONALITY DEVELPOMENT(ELECTIVE- 2) | 2 | 0 | 0 | 2 | 70 | 30 | 25 | 25 | 150 | | | |
| 4340003 | INTEGRATED PERSONALITY DEVELPOMENT COURSE(ELECTIVE-3) | 2 | 0 | 0 | 2 | 70 | 30 | 25 | 25 | 150 | | | |
| 4342101 | FOUNDRY TECHNOLOGY | 3 | 0 | 4 | 5 | 70 | 30 | 50 | 50 | 200 | | | |
| 4342102 | DESTRUCTIVE TESTING | 2 | 0 | 4 | 4 | 70 | 30 | 50 | 50 | 200 | | | |
| 4342103 | HEAT TREATMENTS | 3 | 0 | 4 | 5 | 70 | 30 | 50 | 50 | 200 | | | |
| 4342104 | IRON MAKING | 3 | 0 | 0 | 3 | 70 | 30 | 0 | 0 | 100 | | | |
| 4342105 | NON FERROUS EXTRACTIVE METALLURGY | 2 | 0 | 0 | 2 | 70 | 30 | 0 | 0 | 100 | | | |
| | TOTAL | 19 | 0 | 12 | 25 | 560 | 240 | 225 | 225 | 1250 | | | |

| | | | SE | MESTE | R – V | | | | | | |
|----------------|--|-----|--------|-------|-----------------------|-----|--------------------|-----------|-----|-------|--|
| | | T | EACHIN | IG | | | EXAMINATION SCHEME | | | | |
| COURSE CODE | COURSE TITLE | SCH | EME/W | /EEK | EK CREDITS (L+T+P) | | ORY | PRACTICAL | | TOTAL | |
| | | L | Т | Р | | Е | М | Ι | V | | |
| 4300021 | INTERNSHIP AND START - UPS | 3 | 0 | 0 | 3 | 70 | 30 | 0 | 0 | 100 | |
| 4352101 | STEEL MAKING | 3 | 0 | 0 | 3 | 70 | 30 | 0 | 0 | 100 | |
| 4352102 | CORROSIOON OF METAL | 3 | 0 | 4 | 5 | 70 | 30 | 50 | 50 | 200 | |
| 4352103 | NON DESTRUCTIVE TESTING | 2 | 0 | 2 | 3 | 70 | 30 | 25 | 25 | 150 | |
| 4352104 | SUMMER INTERNSHIP-II | 0 | 0 | 6 | 3 | 0 | 0 | 50 | 50 | 100 | |
| 4352105 | ADVANCE HEAT TREATMENT (Elective 1) | 2 | 0 | 2 | 3 | 70 | 30 | 25 | 25 | 150 | |
| 4352106 | ADVANCE FOUNDRY (Elective 2) | 2 | 0 | 2 | 3 | 70 | 30 | 25 | 25 | 150 | |
| 4352407 | MATERIAL CHARACTERIZATION (Elective 3) | 2 | 0 | 2 | 3 | 70 | 30 | 25 | 25 | 150 | |
| | TOTAL | | 0 | 18 | 26 | 350 | 120 | 200 | 200 | 1100 | |

| | | | S | EMEST | ER – VI | | | | | | |
|----------------|---|-------------|-------|-------|--------------------|--------|------|-----------|---------|-------|--|
| | | Т | EACHI | NG | | | EXAN | MINATIO | ON SCHE | ME | |
| COURSE CODE | COURSE TITLE | SCHEME/WEEK | | | CREDITS (L+T+P) | THEORY | | PRACTICAL | | TOTAL | |
| | | L T P | | Е | Μ | Ι | V | | | | |
| 4362101 | ALLOY STEEL | 3 | 0 | 2 | 4 | 70 | 30 | 25 | 25 | 150 | |
| 4362102 | INTRODUCTION TO FAILURE ANALYSIS | 2 | 0 | 2 | 3 | 70 | 30 | 25 | 25 | 150 | |
| 4362103 | POWDER METALLURGY | 2 | 0 | 2 | 3 | 70 | 30 | 25 | 25 | 150 | |
| 4362104 | METALLURGICAL ENGINEERING PROJECT | 0 | 0 | 8 | 4 | 0 | 0 | 100 | 100 | 200 | |
| 4362105 | COMPOSITE MATERIAL (Elective 1) | 2 | 0 | 0 | 2 | 70 | 30 | 0 | 0 | 100 | |

| 4362106 | SURFACE ENGINEERING (Elective 2) | 2 | 0 | 0 | 2 | 70 | 30 | 0 | 0 | 100 |
|---------|--|----|---|----|----|-----|-----|-----|-----|-----|
| 4362107 | METALLURGY THERMODYNAMICS (Elective 3) | 2 | 0 | 0 | 2 | 70 | 30 | 0 | 0 | 100 |
| | TOTAL | 13 | 0 | 14 | 20 | 350 | 180 | 175 | 175 | 950 |

BRIDGE COURSE FOR C2D STUDENTS

| | SEMESTER – I | | | | | | | | | | | |
|----------------|--|------|--------|------|---------|--------|------|-----------|--------|-------|--|--|
| | | TI | EACHIN | IG | | | EXAM | INATIO | N SCHI | EME | | |
| COURSE CODE | COURSE TITLE | SCHI | EME/W | 'EEK | (L+T+P) | THEORY | | PRACTICAL | | GRAND | | |
| | | L | Т | Р | | E | Μ | Ι | V | IUIAL | | |
| C400001 | MATHEMATICS | 3 | 1 | 0 | 4 | 70 | 30 | 0 | 0 | 100 | | |
| C400002 | COMMUMICATION SKILLS IN ENGLISH | 2 | 0 | 2 | 3 | 70 | 30 | 25 | 25 | 150 | | |
| C400009 | APPLIDE CHEMISTRY | 3 | 0 | 2 | 4 | 70 | 30 | 25 | 25 | 150 | | |
| C400013 | BASIC ENGINEERING DRAWING AND GRAPHICS | 2 | 0 | 4 | 4 | 70 | 30 | 25 | 25 | 150 | | |
| C400015 | SPORTS AND YOGA | 0 | 0 | 2 | 0 | 0 | 0 | 50 | 0 | 50 | | |
| C4301901 | ENGINEERING WORKSHOP PRACTICE | 0 | 0 | 4 | 2 | 0 | 0 | 25 | 25 | 50 | | |
| C4312101 | INTRODUCTION TO ENGINEERING MATERIALS | 3 | 1 | 0 | 4 | 70 | 30 | 0 | 0 | 100 | | |
| | TOTAL | 13 | 2 | 14 | 21 | 350 | 150 | 150 | 100 | 750 | | |

| | SEMESTER – II | | | | | | | | | | | |
|----------------|-----------------------------------|-------------|--------|--------------------|---------|--------------------|------|-------|-------|-------|--|--|
| | | T | EACHIN | IG | CDEDUTC | EXAMINATION SCHEME | | | | | | |
| COURSE CODE | COURSE TITLE | SCHEME/WEEK | | CREDITS (L+T+P) | THEORY | | PRAC | FICAL | GRAND | | | |
| | | L | Т | Р | | Е | Μ | Ι | V | IUIAL | | |
| C4300003 | ENVIRONMENT AND SUSTAINABILITY | 3 | 0 | 0 | 3 | 70 | 30 | 0 | 0 | 100 | | |
| C4300004 | APPLIED PHYSICS | 3 | 0 | 2 | 4 | 70 | 30 | 25 | 25 | 150 | | |

| C4300008 | ENGINERING MECHANICS | 3 | 0 | 2 | 4 | 70 | 30 | 25 | 25 | 150 |
|----------|---|----|---|----|----|-----|-------------|-----|-----|-----|
| C4300010 | BASICS OF INFORMATION AND COMMUNICATION TECHNOLOGY | 0 | 0 | 4 | 2 | 0 | 0 | 25 | 25 | 50 |
| C4300014 | BASICS OF ELECTRICAL AND ELECTRONIC ENGINEERING | 0 | 2 | 2 | 3 | 0 | 0 | 25 | 25 | 50 |
| C4300016 | INDIAN CONSTITUTION | 2 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 50 |
| C4300017 | BASICS OF MECHANICAL ENGINEERING | 0 | 2 | 2 | 3 | 0 | 0 | 25 | 25 | 50 |
| C4322101 | PHYSICAL METALLURGY-1 | 3 | 0 | 0 | 3 | 70 | 30 | 0 | 0 | 100 |
| TOTAL | | 14 | 4 | 12 | 22 | 280 | 12 0 | 175 | 125 | 700 |

For more details regarding syllabus, examination scheme etc., kindly visit www.gtu.ac.in

INFRASTRUCTURE

Metallurgy Department is equipped with well-ventilated classrooms with adequate flexible furniture. Department is equipped with five laboratories. Details of various labs are given below.

1. PHYSICAL METALLURGY LABORATORY

This laboratory is equiped with various instruments like Belt Grinding Machine with Sanding Belt, Double Disc Polishing Machine, Metallurgical Microscopes and various metals and alloys specimen set.



Belt Grinding Machine with Sanding Belt



Double Disc Polishing Machine



Metallurgical Microscopes



BINOCULAR METALLURGICAL MICROSCOPE



DIGITAL ROCKWELL HARDNESS TESTINGMACHINE



ADVANCE POLARIZATION MICROSCOPE

2. FOUNDRY LABORATORY

This laboratory is equipped with Crucible Furnace, Digital Electronic Balance and models of Cupola furnace, Electric-Arc furnace, gating system, sieve shaker and disc pelletizer.



Crucible Furnace



Digital Electronic Balance (600 gm)

3. MATERIAL TESTING LABORATORY

Material testing laboratory is equipped with Ultrasonic Digital Flaw Detector, Liquid Penetrant Test kit and model of fatigue testing machine.



Ultrasonic Digital Flaw Detector

4. HEAT TREATMENT LABORATORY

This laboratory is mainly used for heat treatment of metals and alloys. It is equiped with muffle furnace and other instruments which is used in physical metallurgy laboratory.



Muffle Furnace

5. METAL WORKING LABORATORY

Metal working laboratory is equipped with rolling mill. Models of extrusion and rolling mills are also available for demonstration.



Rolling Mill

6. MINERAL PROCESSING LABORATORY

The Bench Top Ball Mill serves a crucial role in mineral processing by grinding various minerals into fine powders. This milling process is fundamental in breaking down ore samples, enabling the liberation of valuable minerals from the ore matrix. The ball mill utilizes grinding media such as balls to reduce the particle size of the minerals, allowing for subsequent mineral separation and recovery processes.



Ball Mill

The Semi-Automatic Sieve Shaker is an essential tool for performing sieve analysis on various minerals. Sieve analysis involves separating particles based on size through the use of a series of stacked sieves with progressively finer mesh sizes. The Semi-Automatic Sieve Shaker automates the process, ensuring accuracy and repeatability in determining the particle size distribution of mineral samples. This information is critical in understanding the characteristics of minerals and aids in the design and optimization of mineral processing operations.



Sieve Shaker

7. WELDING LABORATORY

The Rocker Arm Spot Welding Machine is employed for spot welding applications. This machine features a rocker arm mechanism that applies pressure to the work pieces, while an electric current is passed through the spot welding electrodes, creating localized heat and forming a weld at the contact points. Spot welding is particularly useful in joining thin sheets of metal and is commonly used in automotive and sheet metal fabrication industries. The Rocker Arm Spot Welding Machine in the laboratory allows for hands-on experience in spot welding, facilitating experimentation with different materials.



Rocker Arm Spot Welding Machine

8. CORROSIONLABORATORY

The corrosion laboratory is equipped with a Salt Spray Test Chamber, a specialized apparatus designed for assessing the corrosion behavior of various metals and alloys under simulated environmental conditions. The Salt Spray Test, also known as the salt fog test, is a widely used accelerated corrosion testing method that subjects materials to a highly corrosive environment, replicating the effects of salt-laden atmospheres encountered in real-world conditions.



Salt Spray Chamber

COMPUTING FACILITIES

Department is equipped with ICT tools like Laptop, projector, speakers which are frequently used in classrooms to enhance the teaching learning process. Free Access NaMo Wifi facility is also available at department.

DEPARTMENT LIBRARY

Many reference books of metallurgical and basic subjects are available in departmental library. Students can access the books as per their will and convenience.

| FACOLI I DETAILS | | | | | | |
|------------------|------------------|-------------|---------------|------------------------|--|--|
| SR. NO. | NAME | DESIGNATION | QUALIFICATION | TEACHING EXPERIENCE | | |
| 1 | Mrs. B. H. Goyal | H.O.D | M.E. | 29 | | |
| 2 | Mr. S. F. Parmar | Lecturer | M.E. | 20 | | |
| 3 | Dr. S. M. Patel | Lecturer | P.H.D | 11 | | |
| 4 | Mr. M. J. Joshi | Lecturer | M.E. | 12 | | |
| 5 | Mr. T. K. Kyada | Lecturer | M.E. | 06 | | |
| 6 | Mr. R. D. Dave | Lecturer | M.E. | 06 | | |
| 7 | Mr. N. G. Patel | Lecturer | M.E. | 06 | | |
| 8 | Mr. A. M. Gautam | Lecturer | M.E. | 12 | | |

FACULTY DETAILS

For more information kindly visit www.ssgc.cteguj.in

TECHNICAL & SUPPORTING STAFF

| SR. NO. | NAME | DESIGNATION | QUALIFICATION | EXPERIENCE |
|---------|---------------|----------------|-----------------------------------|------------|
| 1 | Ms. J. B. Lad | Lab. Assistant | Diploma Mechanical Engineering | 11 |

RESULT ANALYSIS



TRAINING & PLACEMENTS OPPORTUNITIES

Every year all the students of semester 6 are placed for full term (14 weeks) industrial training as a part of curriculum. List of industry where students undergone Industrial training is given below.

| Sr. No. | Company name | | Company name | | |
|------------|---|----|---|--|--|
| EW A1 | C .M. Smith Sons. Ltd., Ahmedabad | 10 | NSVP Induction Casting, Surat | | |
| 2 | Crown Metal, Surat | 11 | Radiance Techno Metal, Surat | | |
| 3 | Arcelor Mittal Nippon Steel India Ltd, Surat | 12 | Shiva Engineering, Surat | | |
| 4 | JMT India Inc., Surat | 13 | Slok Ndt & Inspection Services, Surat | | |
| 5 | Krishna Copper, Valsad | 14 | Theis Precision India Pvt Ltd, Navsari | | |
| 6 | Larsen & Toubro Ltd, Surat | 15 | Technoforge, Ankleshwar | | |
| 7 | Miranda Tools, Ankleshwar | 16 | Vittoria Designs Pvt. Ltd., Rajkot | | |
| 8 | NHB Ball & Roller Ltd., Amalsad | 17 | Welspun Corp Pipes And Plates, Vadodara | | |
| 9 | Nivic Technocast, Rajkot | 18 | M.H.T.E. Metal Heat Treatment, V. V. nagar | | |

Every year campus drives are held at Institute by various metallurgical companies. Many students are placed through on/off campus drive. Many diploma Graduates of this program are recruited by Arcelor Mittal Nippon Steel India Limited, Surat. Most of the pass outs either get placement or go for further studies.

List of industries/companies hired our graduates in past few years is given below.

| Arcelor Mittal Nippon Steel India Ltd | , Hazira |
|---|-----------|
| Larsen & Toubro Ltd, Surat | |
| Hindalco Industries Ltd (Birla copper) | , Bharuch |
| Uttamgalva, Vardha | |
| Theis Precision India Pvt Ltd, Nav | vsari |
| Schaeffler India Limited, Vadoda | ara |
| Royal Arc Electrodes Ltd., Bhila | ad |
| Miranda Tools, Ankleshwar | |
| China Steel Corporation India Pvt. Ltd. | , Bharuch |
| Godrej & Boyche, Bharuch | |
| Arcelor Mittal Design, Hazira | |
| Welspun, Dahej | |

CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES

Even though, knowledge and academics are important for every student, it is necessary to develop skills and talents throughextra-Curricular and Co-Curricular Activities, for the overall personality development of student. Activities like Food Festival, Important Day Celebration, Tree plantation, Cleanliness drive, Yoga celebrations, Sports week, Group Discussions, Mock Interview, Finishing School, NCC and NSS activities are planned and organised in department and institute level for an overall development of students. In every term expert lectures, seminar/workshop/webinar and industrial visits are arranged by metallurgy department. For first year students Thalassemia Test is conducted at institute level. Every year institute is organizing blood donation camp students and faculty supports and contributes in it.

CONTACT US

Metallurgy Department, Dr. S. & S.S Ghandhy College of Engineering and Technology, Majura Gate, Surat Institute E mail: ssgp-surat-dte@gujarat.gov.in Department E mail: metssg21@gmail.com