INFORMATION BROCHURE

Quest for Excellence

G.S.Mandal's

M I T ™
A group of Academic & Research Institutions
A u r a n g a b a d

G.S.Mandal's

Marathwada Institute Of Technology
CIDCO, Aurangabad-431003

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E-mail : principal.cidco@mit.asia website : http://cidco.mit.asia

VISION

"Quest for Excellence" in pedagogy
Human beings are evolving and a key enabler of this evolutionary process is knowledge which is helping us demystify and understand the nature. MIT treats education as a continuous process of human development, aptly represented by its vision statement of "Quest for Excellence" in pedagogy.

MISSION

We are committed to provide education and training in computer science, information technology, automobile technology, workshop technology, management etc. to enable aspiring students to develop their fullest potential in their chosen areas through:

- Structured programs evolving with the times
- Offering opportunities to go beyond prescribed curriculum
- Collaboration and cooperation with industry and institutions
- Employee empowerment at all levels
- Innovation, incubation and entrepreneurship support
- Dedicated, experienced and well qualified faculty
- State of the art laboratories & libraries
- Well-appointed classrooms & infrastructure
- Relevant research & development program

OBJECTIVES

- To help students identify and meet academic and career objectives
- To offer educational and training programs to strengthen basic foundation and help develop in-depth knowledge and requisite skills
- To work with students to develop competencies required to accept global challenges and meet and exceed requirements of the industry
- To offer continuous training opportunities to employees to excel in their sphere of activity
- To offer conducive environment for employees to develop entrepreneurial spirit and sense of ownership
- To identify, review and continually enhance the key performance parameters consistent with the vision and mission

ABOUT GRAMAUDYOGIK SHIKSHAN MANDAL

"Gramaudyogik Shikshan Mandal (GSM)" was established by the renowned freedom fighter and visionary Late Shri Anandraoji Deshmukh. The year was 1975, and GSM's focus was on imparting education (Shikshan) particularly in science and technology (Audyogik) at village (Gram) level in order to develop and make villages self sustainable. Visionary academicians joined hands with committed & academically inclined industrialists to create the thrust and drive the education under the umbrella of "MIT-a Group of Academic & Research Institutions".

Late Shri. Anandraoji Deshmukh

PRESIDENT'S DESK

The Gramaudyogik Shikshan Mandal is established to create opportunities for the unprivileged and underprivileged young generation to have meaningful education and training. Answer to this is MIT. In the narrow spectrum of technical education, to create opportunities of learning may be a task of few years span in life of any individual.

However, it is a continuous, constant and lifelong process of learning in the life of an institution like MIT. To keep pace of changes in knowledge and skills, the community has to have confidence in the courses which are offered, are enjoying highest standard and lead to meaningful careers.

This organization is striving for this goal. The worth of any organization depends upon what they know, rather than what they own.

Prof. Dr. Y.A. Kawade

To ensure this, MIT is doing its best through qualified, experienced and devoted faculty. This will infuse success into a specific program and also enrich its academic level within the hierarchy from entry level to final stage.

This organization is slowly transforming itself from a teaching institution to a place of full opportunities of learning institution.

01 | ABOUT G.S. MANDAL

Gramaudyogik Shikshan Mandal (GSM), Aurangabad, Maharashtra, India is the parent Trust established in 1975 under Bombay Public Trust Act and also registered under Society Registration Act. Over last four decades, GSM has established more than 20 Institutes and Centers of Excellence developed in different fields of Engineering and Technology. GSM has grown organically in three important provinces of India, viz. Maharashtra, Delhi and Uttar Pradesh. More than 12000 full time students are on different campuses from primary to post graduate education and vocational training.

GSM through its premier institutes referred as MIT, offers wide range of programmes for graduation level in faculty of –agriculture, engineering & technology, information technology, architecture, food technology, health sciences and nursing; for post-graduation programmes in food processing technology, engineering & technology, management, and architecture; for vocational level - polytechnic, vocational programmes, industrial skill set programs and technical school level programmes.

GSM has developed state of the art infrastructure, computer centers, learning aids and research laboratories at each location and supports it by qualified and dedicated staff members. We are proud of being recognized as students centric and faculty driven organization. More than 15000 alumni are spread out across the globe and performing well in different walks of life. They are the real brand ambassadors of MIT, as their success reflects contribution of their education to their career and life.

GSM has been continuously encouraging its institutes to create collaborative environments for knowledge exchange by developing linkages between industries and other organizations. MIT has been a pioneer in accomplishing this purpose and has successfully established mutually beneficial, triangular partnership among academic institutions, industries and government organizations. Such collaborative approach has enabled a trailblazer in finding solutions to live problems from industries and pave a way for research projects. MIT has been associated with hundreds of companies for imparting students training and placements.

02 | MIT AMBIANCE

Over the years we have transformed MIT from a mere teaching institution to a truly learning institution. Our initiatives in industry tie-ups for technological upgrades, industry participation in setting up "Centres of Excellence", international tie-ups & projects, our motivated faculty and focus on R & D activities go a long way to achieve our primary objective of providing top of the Computer, IT, Management & Technology education at our MIT, CIDCO, Aurangabad campus. Our environment oriented initiatives has led us to many projects in Hybrid Bike, Farmer's Multi utility tractor 'VANRAJ', Merchant bullet, Solar Tricycle, Robo Mobo Farming and many more.

Students Welfare :

GOI Scholarship, Central Sector Scholarship, Minority Scholarship, Book Bank Facility, Career Guidance Cell, Earn & Learn Scheme and many more.

I am happy to place in your hands this brochure which will enable you to know us better. With our various institutions and fully equipped campuses we offer more than 53 courses in diverse disciplines like Agriculture, Engineering, Technology, Management, Information Technology, Architecture, Food Processing Technology, Applied Science, Health Sciences and Nursing at undergraduate as well as Post graduate level. Our VISION and MISSION coupled with "Quest for Excellence" has been and will continue to be a guiding force for me and my colleagues.

MIT is a place where we not only strive to train the students to acquire practical and professional knowledge to become excellent technocrats, thinkers and leaders; but also imbibe social responsibilities and ethical principles so that they can strongly and safely realize improvements in the lives of people.

MIT group of institutions is the answer where you seek technical & professional excellence in education. The programmes that we offer at various institutions of MIT enjoy the highest standards and lead to meaningful careers. Our qualified, experienced and dedicated faculty is striving and will continue to strive for educational enrichment of our students. Over the years we have transformed MIT from a mere teaching institution to a truly learning institution.

Innovation is and will continue to be the keyword at MIT. Our initiatives in industry tie-ups for technological upgrades, industry participation in setting up "Centers of Excellence", international tie-ups & projects, our motivated faculty and focus on Research & Development activities go a long way to achieve our primary objective of providing top of the line engineering education at the Aurangabad campus. Our environment oriented initiatives has led us to many projects in energy conservation, solar power, bio-fuels, bio-gassifiers and many more.
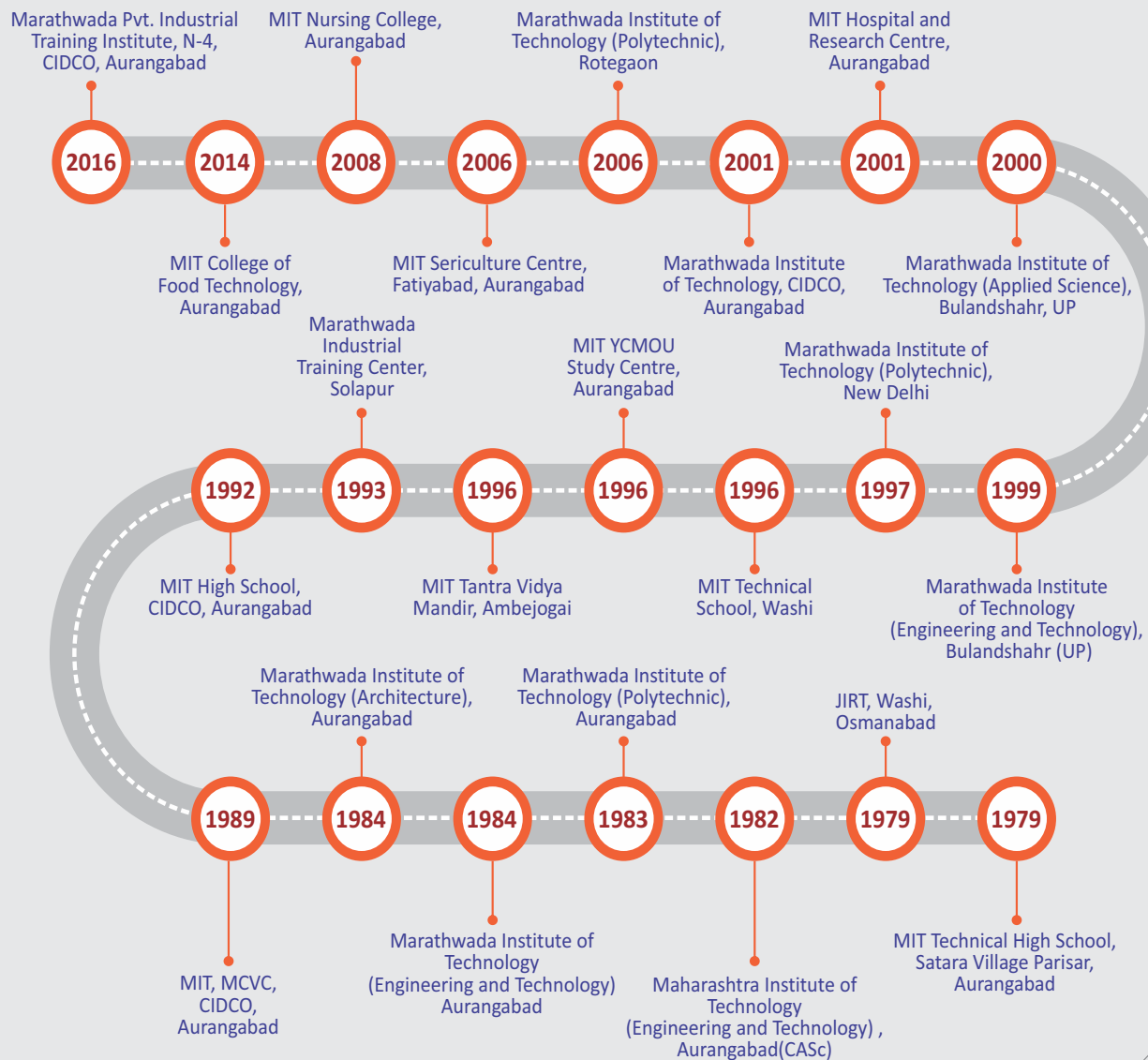
Our teaching faculty is well qualified, dedicated & motivated and participates at various national and international levels to upgrade & update technological advancements taking place globally.

By serving as a catalyst for industry-academic partnerships, MIT attempts to bring intellectual capital and emerging technologies together to improve quality of engineering and technology education. This in turn contributes to build India's capacity for intellectual and economic growth to cater to the need of stakeholders. MIT has developed state-of-the-art infrastructure, computer centers, learning aids and research laboratories at each location and supports it by qualified and dedicated staff members.

We are proud of being recognized as student-centric and faculty-driven organization. More than 15000 alumni are spread out across the globe and are excelling in different walks of life. They are the real brand ambassadors of MIT as their success reflects contribution of their education to their career and life.

This brochure will give you a bird's eye view of MIT. For details please visit our website
(*http: www.mit.asia*) (*http: www.cidco.mit.asia*).

Prof. MUNISH SHARMA
Director General
MIT, Aurangabad
✉ munish.sharma@mit.asia

Gramodyogik Shikshan Mandal's
MIT TIMELINE

2016 — Marathwada Pvt. Industrial Training Institute, N-4, CIDCO, Aurangabad

2014 — MIT College of Food Technology, Aurangabad

2008 — MIT Nursing College, Aurangabad

2006 — MIT Sericulture Centre, Fatiyabad, Aurangabad

2006 — Marathwada Institute of Technology (Polytechnic), Rotegaon

2001 — Marathwada Institute of Technology, CIDCO, Aurangabad

2001 — MIT Hospital and Research Centre, Aurangabad

2000 — Marathwada Institute of Technology (Applied Science), Bulandshahr, UP

1992 — MIT High School, CIDCO, Aurangabad

1993 — Marathwada Industrial Training Center, Solapur

1996 — MIT Tantra Vidya Mandir, Ambejogai

1996 — MIT YCMOU Study Centre, Aurangabad

1996 — MIT Technical School, Washi

1997 — Marathwada Institute of Technology (Polytechnic), New Delhi

1999 — Marathwada Institute of Technology (Engineering and Technology), Bulandshahr (UP)

1989 — MIT, MCVC, CIDCO, Aurangabad

1984 — Marathwada Institute of Technology (Architecture), Aurangabad

1984 — Marathwada Institute of Technology (Engineering and Technology) Aurangabad

1983 — Marathwada Institute of Technology (Polytechnic), Aurangabad

1982 — Maharashtra Institute of Technology (Engineering and Technology), Aurangabad(CASc)

1979 — JIRT, Washi, Osmanabad

1979 — MIT Technical High School, Satara Village Parisar, Aurangabad

cidco.mit.asia

INFRASTRUCTURE

The College has unique location in the heart of city that is CIDCO N4 area in Aurangabad.

The Building has amenities like spacious classroom, office, library, ultra modern computer labs & Automobile Laboratory, spacious conference hall, reading room etc.

MIT Campus has modern sports facilities like play ground for cricket, Volley ball, Tennis, Kho- Kho, Kabbadi and many more.

Hostel A Home Away From Home

The hostel accommodation is very safe, comfortable & in the campus. The hostel has well furnished rooms with excellent facilities.

CLASSROOM

CONFERENCE HALL

PLAYGROUND

INDOOR GAMES

LIBRARY

Library is spread over 1500 Sq. ft. area in separate hall, has around 5000 + volumes, 1000 + titles, Research journals, News papers etc. Library is fully computerized available with e-books.

CO-CURRICULAR ACTIVITIES

▶ N.S.S.
▶ Educational Tours
▶ Industrial Visit
▶ College Trip
▶ Conference
▶ Cultural and Social Activities
▶ Personality Development
▶ Teacher Guardian Scheme

Blood Donation

Industrial Visit

N.S.S Camp

College Trip

UNIFORM

Sky Blue Shirt,
Blue Jeans & Shoes.

ACHIEVEMENT AND AWARDS

▸ Shweta Sarose from B.Sc.(CS) won Gold Medal in State Level Invitational Karate Championship 2018.

▸ Gaurav Pase from B.C.A. III Year won third prize in Mrudmurti Kala Event in "Central Yuva Festival-2018" at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.

▸ More than 100 students certified in International Certification of red hat.

▸ Satyajeet Kuber & Prasad Takwale - (Yoga) Inter collegiate & Inter university kurushetra 2013 - 14 & 2014 - 15

▸ Tejas Pattekar - (Boxing) Inter collegiate & Inter university, Banaras 2013-14

▸ Aniket Shelke - (Fencing) Inter collegiate & Inter university, Delhi 2013-14

▸ Gajendra Gawandar – (Taikwando) Inter Colligate & Inter University in Patiala2010-11

▸ Mahesh Muthal & Anand Phalke - Inter Collegiate Debate & Elocution Competition 2009-10

▸ Ganesh Palaskar – 3rd Price – Inter Collegiate Wrestling Competition 2008

▸ Jyoti Bhore – Kho-Kho – Inter Collegiate and Inter University Competition 2006-08

▸ Sayyed Riyazuddin – 2nd Price – Inter University Judo Competition 2006

EXPERT TALK

Dr. Ramesh Manza -
Research Methedology

Shri. M.A. Patil -
Career Guidance

Shri. R.R. Gunjal -
Engine Assembly & Testing

Prof. Sonali Kulkarni -
Prepration of NET /SET

INTERNET VIDEO CONFERENCING

The students can seek expert advice for their academic problems and difficulties also they can get guidance through video conferencing by experts of industry and academia.

TRAINING AND PLACEMENT CELL

The students pursuing & excelling in the academic programs at MIT are moulded to embark upon a professional career, be it industry, entrepreneurship or higher studies. The training programs at MIT are geared up to expose & prepare the students to shoulder responsibilities and excel in their professions.

The Training & Placement cell, with our strong industry associations organizes Management Development Programs, consultancy, industry visits, guest lectures, CEO Forums, student participation in various events associated with industries & internships. The Centre of Excellence provide an opportunity to work on live projects. As a result our students have found wide acceptance in the industry.

STUDENTS SELECTED IN CAMPUS INTERVIEW

Automobile Technology

Greaves Cotton Ltd. Shendra MIDC, Aurangabad.

Sushil Tupe	Arjun Ambhore	Subodh Dhule
Sachin Harne	Ajay Thorat	Shaikh Inus
Vikas Bhalekar	Santosh Jadhav	Mahesh Raut
Anil Bansude	Yogesh Baviskar	Deepak Chaudhari
Anil Pingalkar	Ganesh Nagargoje	Dnyaneshwar Patil
Dyneshwar Kudke	Avinash Thorat	Nitesh Bainade
Sachin Lokhande	Kiran Kaware	Ravikiran Dharurkar
Chetan More	Gajanan Wagh	

Tragen
Sajed Shaikh
Navnath Sonwane
Rajendra Harne
Mohammad Mubras
Sandip Shejul

WNS - Pune
Yuvraj Pawar
Sandhya Shirsat

Deogiri Forging, Waluj
Akshay Gajbhiye
Nitesh Kale
Pavan Borkar
Kadappa Kokane

Eicher India Ltd.
Akshay Mote
Ganesh Uplanchwar

Harman International Pune
Nitin Lenekar
Akash Gaikwad
Ravindra Gadekar
Krushna Kawade
Rushikesh Kadam
Abhijit Naiknawre
Akshay Desai
Gaurav Shreerao
Hemant Gidmare
Nimesh Mohite
Deepak Rathod
Sohel Shaikh
Siddharth Mandale

Workshop Technology
Hashim Khan (Volks-Wagen Service Centre)
Bharkad Vikas (Varroc Engg. Pvt. Ltd.)
Waghmare Akash (Endurance)
Rupesh Dhake (Endurance)
Pranjal Pimpalkar (Endurance)

Awaij Khan (Canpack India)
Bharkad Vikas (Varroc Engg. Pvt. Ltd.)
Dhoke Ajay (Varroc Engg. Pvt. Ltd.)
Abhishek Ambhore (Varroc Engg. Pvt. Ltd.)
Hemant Jadhav (Endurance)

B.C.A. / B.Sc. (CS / IT)
Surekha Jagade (Infosys BPM)
Mansi Mahajan (Wipro)
Ankush Dhanajay (Wipro)
Sampat Dhakane (Cognitia Pvt. Ltd.)
Ankush Dhanajay (Cognitia Pvt. Ltd.)
Kavita Surase (Cognitia Pvt. Ltd.)
Shruti Madekar (Quagnitia Pvt. Ltd.)
Rahul Munde (Infosys, Pune)

Ganesh Gaware (Patni computers)
Mohan Kolte (Wipro)
Ganesh Gaware (iGate Patni)
Ganesh Palaskar (Cognitia Pvt. Ltd.)
Dipika Joshi (Cognitia Pvt. Ltd.)
Siddharth Vikhankar (Cognitia Pvt. Ltd.)
Vijay Hire (Wipro Technologies Pune)
Dipak Vishwakarma (Infogrid Informatics)

Varroc and Endurance
Andhalkar Swapnil Subhash
Bhadve Yogesh D.
Bhambre Akshay
Bharambe Umesh
Devatwal Amol
Gorde Shrinath

PROGRAMS OFFERED

UNDER GRADUATE

- BCA (Bachelor of Computer Application)
- B.Sc (Computer Science) B.Sc CS
- B.Sc (Information Technology) B.Sc IT
- B.Sc (Automobile Technology) B.Sc AT
- B.Sc (Workshop Technology) B.Sc WT
- B.Sc (Refrigeration and Air Conditioning) B.Sc RAC
- B. Voc (Automobile Technology)
- B. Voc (Industrial Automation)
- B. Voc (Farm Equip. & machinery)

POST GRADUATE

- M. Sc. (Computer Science)
- M. Sc. (Information Technology)

ELIGIBILITY CRITERIA

UNDER GRADUATE

- BCA - Candidate Passing any 12th or MCVC.
- B.Sc. (CS) - Candidate Passing 12th Science or MCVC or Diploma in Engineering.
- B.Sc. (IT) - Candidate Passing 12th Science with Mathematics or MCVC or Diploma in Engineering.
- B.Sc. (AT/WT/ RAC) - Candidate Passing 12th Science or MCVC or ITI (2 years) or Diploma in Engineering.
- B. Voc - Candidate Passing 12th Science or MCVC or ITI (2 years) or Diploma in Engineering.

POST GRADUATE

- M.Sc. (Computer Science) - B.Sc. (CS / IT) or BCA or any other B.Sc. Degree with one of the subject Physics / Computer Science.
- M.Sc. (Information Technology) - B.Sc. with Mathematics as one of the Subjects at XII Std. B.Sc. (CS/ IT) or B.Sc. Degree with one of the subject Mathematics/ Physics/ Computer Science.

* CET is Compulsory for Admission.

SUBJECTS AT GLANCE

Bachelor of Computer Application (B.C.A.)

(Syllabus as per Dr. Babasaheb Ambedkar Marathwada University, Aurangabad)

First Semester

1. Finanial Accounting - I
2. Industrial Economics
3. Operating System-I
4. Business Statistics
5. Business Communication
6. Elective Paper (Any One)
a. Office Automation Tools
b. Basic Web Technology-I

Second Semester

1. Accountancy - II
2. Industrial Organization
3. Mathematics
4. Programming in C
5. Principles of Management
6. Elective Paper (Any One)
a. Unix Operating System-II
b. Basic Web Technology-II

Third Semester

1. Principles of Management-II
2. OOPs using C++
3. Business Law-I
4. DBMS
5. E-Business Essentials
6. Elective Paper (Any One)
a. Data Structure & Algo.
b. RDBMS using ORACLE

Fourth Semester

1. Cost Accountancy
2. Java Programming
3. MIS & DSS
4. Business Law-II
5. Entrepreneurship Development
6. Elective Paper (Any One)
a. PC Maintenance
b. Advance Networking

Fifth Semester

1. Management Accounting
2. SQL 2017
3. VB
4. Organizational Behavior
5. Software Engineering
6. Elective Paper (Any One)
a. Banking and Insurance
b. Retail Management

Sixth Semester

1. Elements of Commercial Portals(HTML 5)
2. Android 9
3. B.Law-III
4. Project
5. Software Testing
6. Elective Paper (Any One)
a. Service Marketing
b. Export Management

Bachelor of Science (Computer Science) – B.Sc. (C.S.)

(Syllabus as per Dr. Babasaheb Ambedkar Marathwada University, Aurangabad)

First Semester

1. Computer Fundamentals
2. Digital Electronics
3. Micro processor - I
4. 'C' Programming - I
5. Communication Skill- 1
6. Mathematical Foundation
7. Office Suite

Second Semester

1. Data Structure
2. Operating System
3. Micro Processor - II
4. 'C' Programming – II
5. Communication Skill-II
6. Numerical Computation Methods

Third Semester

1. Advanced Data Structure
2. Unix Operating System
3. P.C. Maintenance
4. Programming in C++
5. Database Mgmt. System
6. Statistical Method

Fourth Semester

1. Software Engineering
2. Fedora
3. Basic of Networking
4. Core Java
5. Advanced Database Mgmt. System
6. Web Fundamental

Fifth Semester

1. Core Java –II
2. Basics of Android
3. Software Cost Estimation
4. Basics of Computer Graphics
5. Elective-I Any One
   a. Beginning with PHP Programming
   b. Basics of ASP.Net
6. Elective-II Any One
   a. Data Mining
   b. Advanced Networking

Sixth Semester

1. Software QualityandTesting
2. Android Application Development
3. Theory of Computation
4. Advanced Computer Graphics
5. Elective-I Any One
   a. Advanced with PHP Programming
   b. Programming with C#
6. Elective-II Any One
   a. E-Commerce
   b. Ethics and Cyber Law

Bachelor of Science (Information Technology) – B.Sc.(I.T.)

(Syllabus as per Dr. Babasaheb Ambedkar Marathwada University, Aurangabad)

First Semester

1. Computer Fundamentals
2. Digital Electronics
3. Microprocessor -I
4. C Programming -I
5. Communication Skill -I
6. Mathematical Foundation
7. Office Suite

Third Semester

1. Database Mgmt. System
2. Android-I
3. IT Tools & Web Designing -II
4. Programming in CPP
5. Personality Development
6. Statistical Method

Fifth Semester

1. Software Project Management-II
2. Data Communication and Networking
3. Programming with PHP
4. Ethical Hacking
5. Elective-I Any One
a. Data Warehousing
b. Computer Graphics
6. Elective-II Any One
a. Core Java II
b. Extended Markup Language

Second Semester

1. Data Structure
2. Operating System
3. I.T. Tools & Web Designing - I
4. C Programming – II
5. Communication Skill – II
6. Numerical Computation Methods

Fourth Semester

1. Advanced DBMS
2. Advanced Android Application Development
3. I.T. Tools & Web Designing -III
4. Core Java
5. Aptitude & Logical Reasoning
6. Software Project Management

Sixth Semester

1. Software Testing and Quality Assurance
2. Wireless Networking
3. Advanced Programming with PHP
4. Cyber Law and Security
5. Elective-I Any One
a. Data Mining
b. Cloud Computing
6. Elective-II Any One
a. C# Programming
b. AJAX

Bachelor of Science (Automobile Technology) – B.Sc. (A.T.)

(Syllabus as per Dr. Babasaheb Ambedkar Marathwada University, Aurangabad)

First Semester

1. Communication Skills – I
2. Basic Electronics -I
3. Computer Technique-I
4. Workshop Technology-I
5. Engineering Drawing-I
6. Fundamentals of Mechanical Engineering
7. Study Report on Environment Science -I

Third Semester

1. Production Management
2. Mechanical Measurement
3. Machine Drawing- I
4. Introduction To Automobile Engineering
5. Engine - I
6. Transmission System- I
7. Project report based on paper- I (P.M)

Fifth Semester

1. Entrepreneurship Development Programme -I
2. Automobile Trouble Maint. & Testing - I
3. Automobile Electrical & Electronic System -I
4. Mechatronics -I
5. Body chassis Maintenance
6. Transport Management
7. Project - I / Seminar

Second Semester

1. Communication Skills –II
2. Basic Electronics –II
3. Computer Technique-II
4. Workshop Technology-II
5. Engineering Drawing-II
6. Engineering Material
7. Study Report on Environment science -II

Fourth Semester

1. Industrial Organization and Management
2. Electrical Technology
3. Machine Drawing – II
4. Automobile tools
5. Engine - II
6. Transmission System - II
7. Project report based on paper - I(I.O&M)

Sixth Semester

1. Entrepreneurship Development Programme -II
2. Automobile Trouble Maint. & Testing - II
3. Automobile Electrical & Electronic System -II
4. Mechatronics -II
5. AutoCAD
6. Vehicle Rule
7. Project - II

Bachelor of Science (Workshop Technology) – B.Sc.(W.T.)

(Syllabus as per Dr. Babasaheb Ambedkar Marathwada University, Aurangabad)

First Semester
1. Communication Skills – I
2. Basic Electronics -I
3. Computer Technique-I
4. Workshop Technology-I
5. Engineering Drawing-I
6. Fundamentals of Mechanical Engineering
7. Study Report on Environment Science -I

Second Semester
1. Communication Skills –II
2. Basic Electronics –II
3. Computer Technique-II
4. Workshop Technology-II
5. Engineering Drawing-II
6. Engineering Material
7. Study Report on Environment science -II

Third Semester
1. Production Management
2. Mechanical Measurment
3. Machine Drawing - I
4. Applied Thermodynamics
5. Manufacturing process- I
6. Machine Tool Technology
7. Project report based on paper- I (P.M)

Fourth Semester
1. Industrial Organization & Management
2. Electrical Technology
3. Machine Drawing-II
4. Heat Transfer
5. Manufacturing Process-II
6. Strength of Material
7. Project Report based on paper-I (I.O.M)

Fifth Semester
1. Entrepreneurship Development Programme -I
2. Robotics -I
3. Tool Engineering
4. Mechatronics -I
5. Computer Integrated Manufacturing
6. Quality Engg. & Industrial Management
7. Project - I / Seminar

Sixth Semester
1. Entrepreneurship Development Programme -II
2. Robotics -II
3. Industrial Hydrulics & Pneumatics
4. Mechatronics -II
5. AutoCAD
6. Industrial Engineering
7. Project - II

Bachelor of Science (Refrigeration & Air Conditioning) – B.Sc. (R & A/C)

(Syllabus as per Dr. Babasaheb Ambedkar Marathwada University, Aurangabad)

First Semester
1. Communication Skills – I
2. Basic Electronics -I
3. Computer Technique-I
4. Workshop Technology-I
5. Engineering Drawing-I
6. Fundamentals of Mechanical Engineering
7. Study Report on Environment Science -I

Second Semester
1. Communication Skills –II
2. Basic Electronics –II
3. Computer Technique-II
4. Workshop Technology-II
5. Engineering Drawing-II
6. Engineering Material
7. Study Report on Environment science -II

Third Semester
1. Production Management
2. Mechanical Measurment
3. Machine Drawing - I
4. Applied Thermodynamics
5. Hydraulics & Mechanics
6. Air Conditioning System
7. Project report based on paper- I (P.M)

Fourth Semester
1. Industrial Organization & Management
2. Electrical Technology
3. Machine Drawing-II
4. Refrigeration System
5. Refrigeration Equipment
6. Air Conditioning Equipment
7. Project Report based on paper-I (I.O.M)

Fifth Semester
1. Entrep. Development Prog. -I
2. Refrigerants
3. Refrigeration & Air conditioning Material
4. Refrigeration & Air conditioning Application
5. Refrigeration & Air conditioning piping systems
6. Non conventional Refrigeration systems
7. Project I / Seminar

Sixth Semester
1. Entrep. Development Prog. - II
2. Refrigeration & Air conditioning Maintenance
3. Refrigeration & Air conditioning Installation
4. Refrigeration & Air conditioning Standard
5. Selection of Equipment & Assembly
6. Refrigeration & Air conditioning Safety
7. Project -II

Course Structure of F.Y. Bachelor of Vocational B. Voc (SEMESTER – I & II)
(Automobile Technology/Industrial Automation/Farm Equipment & Machinery)

SEMESTER - I

Skill Development Components

BV101	Workshop Technology I
BV102	Engineering Graphics I
BV103	Basic Electronics
BV104	Lab - Workshop Technology I
BV105	Lab - Engineering Graphics I
BV106	Lab-Basic Electronics

General Education Components

BV107	Communication Skills I
BV108	Computer Fundamental I
BV109	Lab- Communication Skills I
BV110	Lab - Computer Fundamental I

SEMESTER - II

Skill Development Components

BV201	Workshop Technology II
BV202	Engineering Graphics II
BV203	Electrical Technology
BV204	Lab - Workshop Technology II
BV205	Lab - Engineering Graphics II
BV206	Lab- Electrical Technology

General Education Components

BV207	Communication Skills II
BV208	Computer Fundamental II
BV209	Lab- Communication Skills II
BV210	Lab - Computer Fundamental II

Note : The minimum percentage for passing for each course code, practical examination and ESE is 40 %, failing which he/she will get F grade for that course code.

Course Structure of F.Y. Bachelor of Vocational (SEMESTER – III & IV)
(Automobile Technology)

SEMESTER - III

Skill Development Components

AT301	Auto Service Technician
AT302	Auto Tools & Equipments
AT303	Automobile Engine Technology
AT304	Lab-Auto Service Technician
AT305	Lab-Auto Tools & Equipments
AT306	Lab-Automobile Engine Technology

General Education Components

AT307	Industrial Ethics & Safety Management
AT308	Environment science
AT309	Lab - Industrial Ethics & Safety Management
AT310	Lab- Environment Science

SEMESTER - IV

Skill Development Components   **General Education Components**

AT401	Two Wheeler Servicing
AT402	Four Wheeler Servicing
AT403	Automobile Transmission System
AT404	Lab-Two Wheeler Servicing
AT405	Lab-Four Wheeler Servicing
AT406	Lab-Automobile Transmission System

AT407	Business Communication
AT408	Personality Development
AT409	Lab-Business Communication
AT410	Lab-Personality Development

Course Structure of F.Y. Bachelor of Vocational (SEMESTER – V & VI)
(Automobile Technology)

SEMESTER - V

Skill Development Components		General Education Components	
At501	Electrical & Electronics System	AT507	Entrepreneurship Development I
At502	Advance Vehicle	AT508	Quality Engineering & Industrial Management
AT503	Transport Management & Rules	AT509	Lab-Entrepreneurship Development I
AT504	Lab-Electrical & Electronics System	AT510	Lab- Quality Engineering & Industrial Management
AT505	Lab-Advance Vehicle		
At506	Seminar		

SEMESTER - VI

Skill Development Components		General Education Components	
At601	Workshop Practice	AT606	Entrepreneurship Development II
AT602	Mechatronics	AT607	Industrial Engineering
AT603	Lab-Workshop Practice	AT608	Lab-Entrepreneurship Development II
At604	Lab-Mechatronics	AT609	Lab - Industrial Engineering
At605	Project		

Course Structure of F.Y. Bachelor of Vocational (SEMESTER – III & IV)
(Industrial Automation)

SEMESTER - III

Skill Development Components		General Education Components	
IA301	Digital Electronics	IA307	Industrial Ethics & Safety Management
Ia302	Embedded System Concept	IA308	Environment science
IA303	Fundamental of Microprocessor 8086	IA309	Lab - Industrial Ethics & Safety Management
IA304	Lab- Digital Electronics	IA310	Lab- Environment Science
IA305	Lab- Embedded System Concept		
IA306	Lab- Fundamental of Microprocessor 8086		

SEMESTER - IV

Skill Development Components		General Education Components	
Ia401	Control System	IA407	Business Communication
IA402	Process Control	IA408	Personality Development
IA403	Fundamental of Hydraulic and Pneumatic System	IA409	Lab-Business Communication
IA404	Lab- Control System	IA410	Lab-Personality Development
IA405	Lab- Process Control		
Ia406	Lab- Fundamental of Hydraulic and Pneumatic System		

Course Structure of F.Y. Bachelor of Vocational (SEMESTER – V & VI)
(Automobile Technology)

SEMESTER - V

Skill Development Components		General Education Components	
IA501	PLC Based Automation & SCADA	IA507	Entrepreneurship Development I
Ia502	Advance Embedded System	IA508	Quality Engineering & Industrial Management
IA503	Industrial Robotics	IA509	Lab-Entrepreneurship Development I
IA504	Lab- PLC Based Automation & SCADA	IA510	Lab- Quality Engineering & Industrial Management
IA505	Lab- Advance Embedded System		
Ia506	Lab-Industrial Robotics		

SEMESTER - VI

Skill Development Components		General Education Components	
IA601	Numerical Control	IA606	Entrepreneurship Development II
IA602	Mechatronics	IA607	Industrial Engineering
Ia603	Lab- Numerical Control	IA608	Lab-Entrepreneurship Development II
IA604	Lab-Mechatronics	IA609	Lab - Industrial Engineering
Ia605	Project		

Course Structure of F.Y. Bachelor of Vocational (SEMESTER – III & IV)
(Farm Equipment & Machinery)

SEMESTER - III

Skill Development Components		General Education Components	
FEM301	Auto Service Technician	FEM307	Industrial Ethics & Safety Management
FEM302	Auto Tools & Equipments	FEM308	Environment science
FEM303	Farm Engine Technology	FEM309	Lab - Industrial Ethics & Safety Management
FEM304	Lab-Auto Service Technician	FEM310	Lab- Environment Science
FEM305	Lab-Auto Tools & Equipments		
FEM306	Lab- Farm Engine Technology		

SEMESTER - IV

Skill Development Components		General Education Components	
FEM401	Farm Equipment	FEM407	Business Communication
FEM402	Farm Machinery	FEM408	Personality Development
FEM403	Farm Transmission System	FEM409	Lab-Business Communication
FEM404	Lab- Farm Equipment	FEM410	Lab-Personality Development
FEM405	Lab- Farm Machinery		
FEM406	Lab-Farm Transmission System		

Course Structure of F.Y. Bachelor of Vocational (SEMESTER – V & VI)
(Farm Equipment & Machinery)

SEMESTER - V

Skill Development Components		General Education Components	
FEM501	Electrical & Electronics System	FEM507	Entrepreneurship Development I
FEM502	Hydraulics & Pneumatics	FEM508	Quality Engineering & Industrial Management
FEM503	Advance Farm Equipment	FEM509	Lab-Entrepreneurship Development I
FEM504	Lab - Electrical & Electronics System	FEM510	Lab- Quality Engineering & Industrial Management
FEM505	Lab - Hydraulics & Pneumatics		
FEM506	Lab- Advance Farm Equipment		

SEMESTER - VI

Skill Development Components		General Education Components	
FEM601	Workshop Practice	FEM606	Entrepreneurship Development II
FEM602	Mechatronics	FEM607	Industrial Engineering
FEM603	Lab-Workshop Practice	FEM608	Lab-Entrepreneurship Development II
FEM604	Lab-Mechatronics	FEM609	Lab- Industrial Engineering
FEM605	Project		

Master of Science (Computer Science) – M.Sc.(C.S.)

(Syllabus as per Dr. Babasaheb Ambedkar Marathwada University, Aurangabad)

First Semester

1. Advanced Java
2. Neural Network
3. Digital Signal Processing
4. Advanced Operating System
*

Third Semester

1. Java Network Programming
2. Advanced Software Engineering and Technology
3. Computer Vision
4. Elective 1. Advanced Embedded System
   Elective 2. Data Ware Housing
   Elective 3. GIT
   Elective 4. Biometric Techniques
   Elective 5. Mobile Computing

Second Semester

1. Data Structure & Analysis of Algorithm
2. Advanced Neural Network & Fuzzy System
3. Image Processing
4. Parallel Computing
*

Fourth Semester

1. Pattern Recognition
2. Major Project
3. Seminar
4. Elective 1. Theoretical Computer Science
   Elective 2. Decision Support System & Intelligent System
   Elective 3. Data Mining
   Elective 4. Cryptography and Network Security
   Elective 5. Introduction to MEMS Pro+

Master of Science (Information Technology) – M.Sc.(I.T.)

(Syllabus as per Dr. Babasaheb Ambedkar Marathwada University, Aurangabad)

First Semester

1. OOPs using C++
2. Comp Sys Architecture
3. Operating System
4. RDBMS
*

Third Semester

1. Programming in Advanced Java
2. Decision Support System and Intelligent System
3. Network Security
4. Elective 1. XML.Net
   Elective 2. Image Processing
   Elective 3. Operating System for Mobile
   Elective 4. ASP.Net
   Elective 5. WML

Second Semester

1. Programming in Core Java
2. Software Engineering & Case tools
3. Data Structures & Algorithms
4. Computer Network
*

Fourth Semester

1. VB.Net Technology
2. Major Project
3. Seminar
4. Elective 1. Programming J2ME
   Elective 2. Open Source Web Programming Using PHP
   Elective 3. CORBA
   Elective 4. GIS
   Elective 5. Biometrics

* Syllabus might be change by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

RULES AND REGULATIONS FOR STUDENTS

- Uniform dress code is compulsory for all students on all days except Thursday. No student is allowed in class rooms, laboratories, library etc. without uniform.

- Students will have to put at least 85% attendance in both theory as well as practical classes. Else he/she will not be allowed to take up the examination.

- Students will be required to carry their Identity Cards all the time on and off the campus.

- Student found violating discipline is liable to punish and strict action will be initiated depending the account severity.

- Ragging is crime and if anybody found involved in it will be subjected to punishment as per the law pertaining to it.

- Smoking & Chewing of Tobacco on and off the campus is strictly prohibited.

- Student found involved in malpractice of any type while appearing at any examination held by any government constituted or statutory examination authority in India, action will be initiated as per rule.

- The offer of a course will be made depending on inter se merit and availability of a seat at the time of security of application according to the schedule of admission.

- No documents after the last date of submission will be entertained for the purpose of claims or concession etc. in connection with admission unless the otherwise mentioned in the rules.

- The competent authority or its representative will not make any correspondence with applicant regarding admission and it is entirely responsibility of the applicant to see the notice boards of concerned admission Center/College/Institute.

- Any rule imposed by the University such as imposing limits on the number of attempts permissible to pass any examination shall be binding to the students.

- Students should agree to confirm and abide by any rules, acts and laws enforced by govt. / University and Colleges authorities from time to time.

- Students should undertake that, he/he will do nothing either inside or outside the college which may result in disciplinary action against him/her under these rules, acts and laws referred to.

- The Principal of the college / institute has a right to expel student from the college/institute for any infringement of the rules of conduct and discipline prescribed by the College or University or Government.

Venue: MIT Campus, N-4 CIDCO, Aurangabad

LOCATION OF MIT CIDCO CAMPUS

Central Bus Stand

Baba Petrol Pump

Gopal Cultural Hall

Railway Station

Kranti Chowk

Akashwani Chowk

Seven Hills Over Bridge

MIT , CIDCO, CAMPUS

High Court

M I T

CIDCO Signal

Kamagar Chowk
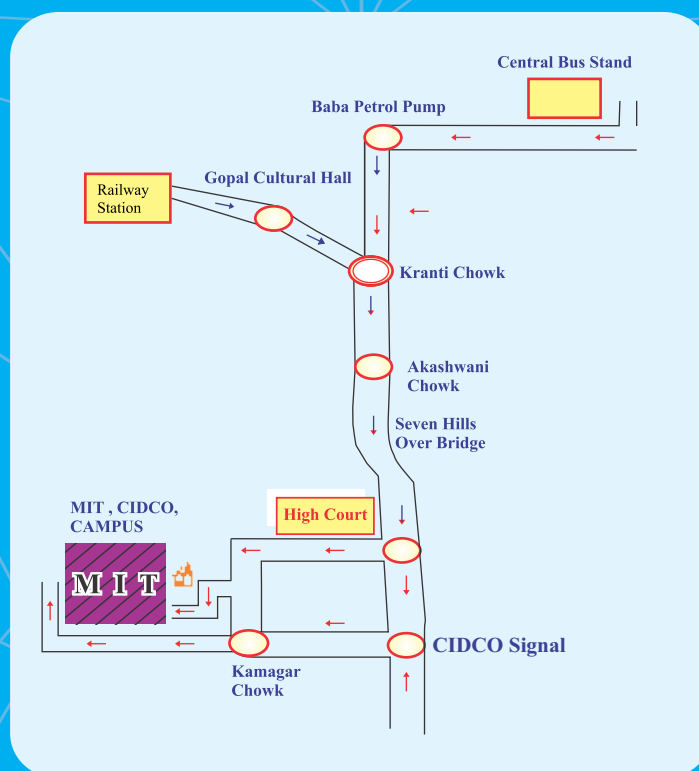
MIT, CIDCO Campus is having its own 4551 sq.meter land, located in N-4, Sector- D of CIDCO, in the city and Industrial Development Corporation of Maharashtra Limited. It is on 0.5 km away from CIDCO Bus stand.