

DTE Code: ME3219
Masters In Engineering
ADMISSIONS OPEN FOR 2021-2022

Why study ME at ARM IET?

- Holistic and focused learning approach guiding each student in their academic improvement.
- Regular interactions on evolving technological trends with industry experts at the campus.
- Specialized training in technological upgrades aimed at enhancing practical skills.
- Academics combined with industry exposure to impart value-based quality education.
- Constant efforts to bridge the gap between industry and academia.
- Research by Faculty members published in peer-reviewed journals, read at reputed conferences.
- Research projects sponsored by revered science and technology funding agencies.
- Limited student intake maintained to ensure each student is attended well by the mentors.
- Appropriate alumni interaction sessions for insightful learning with their guidance.
- Extracurricular soft skills and hands-on skills training to improve workplace productivity.

Complete ME in 2 Years Specializations Offered:

Computer Engineering Eligibility:

- BE in Computer/Electrical/EXTC/Instrumentation/Information Technology (Mumbai University eligibility rules applicable)
- GATE score or 2 years work experience.

Intake Capacity: 18

EXTC

Eligibility:

- BE in Electronics and Telecommunication/Computer/Electrical/Information Technology/Instrumentation (Mumbai University eligibility rules applicable)
- GATE score or 2 years work experience.

Intake Capacity: 18

Mechanical Engg. (Energy Systems & Mgmt.) Eligibility:

- BE in Mechanical/Automobile/Aerospace/Aeronautical Engg. (Mumbai University eligibility rules applicable)
- GATE score or 2 years work experience.

Intake Capacity: 24

Benefits of being a Master of Engineering

- Pursue research and Ph.D.
- Raise your earning potential
- Higher eligibility for promotions
- Specialized Knowledge of a domain

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Curriculum for Masters In Engineering - Computer Engineering

Semester- 1

1. Algorithm & Complexity
2. Advance Computer Network and Design
3. Advanced Operating Systems
4. Department Level Optional Course-I
5. Institute Level Optional Course-I

Semester- 2

1. High performance Computing
2. Data Science
3. Ethical Hacking and Digital Forensics
4. Department Level Optional Course –II
5. Institute Level Optional Course-II

Department Level Optional Course-I

1. Logic & Automated Reasoning
2. Image Analysis & Interpretation
3. Natural Language Processing
4. Computational Intelligence
5. User Experience Design

Institute Level Optional Course-I

1. Product Lifecycle Management
2. Reliability Engineering
3. Management Information System
4. Design of Experiments
5. Operation Research
6. Cyber Security and Laws
7. Disaster Management & Mitigation Measures
8. Energy Audit and Management

Department Level Optional Course-II

1. Data Storage & Retrieval
2. Internet of Things
3. Advance Soft Computing
4. Semantic Web & Social Network Analysis
5. ICT for Social cause

Institute Level Optional Course-II

1. Project Management
2. Finance Management
3. Entrepreneurship Development and Management
4. Human Resource Management
5. Professional Ethics and CSR
6. Research Methodology
7. IPR and Patenting
8. Digital Business Management
9. Environmental Management

Semester- 3

1. Seminar or presentation on Special Topic
2. Synopsis of ME project

Semester- 4

Thesis report of M.E Project

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Curriculum for Masters In Engineering - Electronics & Telecommunication Engineering

Semester- 1

1. Statistical Signal Processing
2. Optical Communication Network
3. Modern Digital Signal Processing Applications
4. Department Level Optional Course-1
5. Institute Level Optional Course-1

Semester- 2

1. Modern Digital Communication
2. Wireless Adhoc and Sensor Networks
3. RF and Microwave Engineering
4. Department Level Optional Course II
5. Institute Level Optional Course II

Department Level Optional Course-I

1. Next Generation Networks
2. Advanced Antenna Design
3. Image Analysis using Machine learning
4. Embedded Communication Systems Design

Institute Level Optional Course-I

1. Product Life cycle Management
2. Reliability Engineering
3. Management Information System
4. Design of Experiments
5. Operations Research
6. Cyber Security and Laws
7. Disaster Management & Mitigation Measures
8. Energy Audit and Management

Department Level Optional Course-II

1. Satellite Networking
2. Network and Cyber Security
3. Remote Sensing
4. Error Control Coding

Institute Level Optional Course-II

1. Project Management
2. Finance Management
3. Entrepreneurship Development and Management
4. Human Resource Management
5. Professional Ethics and CSR
6. Research Methodology
7. IPR and Patenting
8. Digital Business Management
9. Environmental Management

Semester- 3

1. Seminar or presentation on Special Topic
2. Synopsis of ME project

Semester- 4

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Curriculum for Masters In Engineering - Mechanical Engineering - Energy Systems and Management

Semester- 1

1. Energy Scenario, Policy and Environment
2. Energy Efficiency in Thermal
3. Conventional Power Plants
4. Department Level Optional Course-I
5. Institute Level Optional Course-I

Semester- 2

1. Advances in Energy Management and Audit
2. Energy Efficiency in Electrical Systems
3. Renewable & Sustainable Energy Systems
4. Department Level Optional Course-II
5. Institute Level Optional Course-II

Department Level Optional Course-I

1. Utilization of Solar Energy
2. Cogeneration and Waste Heat Recovery Systems
3. Alternative Fuels
4. Energy Systems Modeling and Analysis

Institute Level Optional Course-I

1. Product Lifecycle Management
2. Reliability Engineering
3. Management Information System
4. Design of Experiments
5. Operation Research
6. Cyber Security and Laws
7. Disaster Management and Mitigation Measures
8. Energy Audit and Management

Department Level Optional Course-II

1. Energy Storage Systems
2. Fuels Combustion and Emission Control
3. Energy Measurement and Control Instruments
4. Energy Systems & Environmental Impact

Institute Level Optional Course-II

1. Project Management
2. Finance Management
3. Entrepreneurship Development and Management
4. Human Resource Management
5. Professional Ethics and CSR
6. Research Methodology
7. IPR and Patenting
8. Digital Business Management
9. Environmental Management

Semester- 3

1. Seminar or presentation on Special Topic
2. Synopsis of ME project

Semester- 4

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Documents & Certificates Required for Masters In Engineering Admission

S.S.C. Board Certificate and Marksheet
H.S.C. Board Certificate and Marksheet
Diploma- 1st, 2nd and 3rd Year Marksheet
Degree- 1st, 2nd and 3rd Year Marksheet
Provisional Degree / Diploma Certificate
Convocation Degree / Diploma Certificate
GATE Score Card
Passport Size Colour Photograph (10 Nos)
Sponsorship Letter (If Applicable)
Transfer Certificate / Leaving Certificate
Domicile & Nationality Certificate
For Central Government Employee Affidavit
Migration Certificate (Other University Candidate)
Gap Certificate (If Applicable)
Caste Certificate (if Applicable)
Caste Validity Certificate (If Applicable)
Non-Creamy Layer Certificate (If Applicable)
Proof Of Change In Name / Surname (If Applicable)
Medical Fitness Certificate
Anti-ragging Affidavit

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Mr. Intekhab Shaikh

*Topper- M.E. EXTC First Year
SGPA 8*

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ARMIET is one of the best place to learn. I feel blessed to study under the guidance of wise professors who are highly experienced in their fields and are always there to help students no matter what the situation is.

A friendly environment and amazing facilities gives a boost to education!

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Mr. Syed Mohd Masood Ali

M.E., Mechanical Engg. Final Year

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The teaching and non-teaching staff are very supportive and always ready to sort out the problems of students. The college has a beautiful garden in the campus to get relax. Good learning environment. The library and reading room facilities help the students to boost their knowledge. The faculties of the college are fantastic and they are very helpful to the course curriculum.

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Mr. Khalil Mujawar

*Topper- M.E. Computer Engineering
CGPA 9.08*

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The faculties actively involve the students in their learning process by way of regular Teacher- Student interaction. Various Teaching methodologies are used by faculties to empower students learning with modern technology skills and competencies to prepare students for 21st century workforce. Students feel supported intellectually and academically as our campus has inclusive environment regardless of identity, learning preferences or education as well Cultural activities also gave us an exposure to groom ourselves in overall factors.

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Mr. Khalil Mujawar

M.E Computer Engineering, Batch 2020

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Various Teaching methodologies are used by faculties to empower students learning with modern technology skills and competencies to prepare students for 21st century workforce. Students feel supported intellectually and academically as our campus has inclusive environment regardless of identity, learning preferences or education as well Cultural activities also gave us an exposure to groom ourselves in overall factors.

Ms. Pushpanjali Reddy

M.E., Computer Engineering, Batch 2020

#ARMIETian

If you just want to complete a Master's in Engineering, you can do it from any college in thane but if you want to learn and earn value to yourself then ARMIET is the college to go. It gave me an opportunity to enrich my acquaintance, learn, and to grow progressively.

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