(Run by Koti Vidya Charitable Trust)

Accredited by NAAC with 'B+' Grade | ISO 9001:2015 CERTIFIED

DTE Code: ME3219

## **Masters In Engineering ADMISSIONS OPEN FOR 2021-2022**

### Why study ME at ARMIET?

- 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
- 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

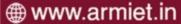
- 1. Project Management
- 2. Finance Management
- 3. Entrepreneurship **Development and Management**
- 4. Human Resource Management
- 5. Professional Ethics and CSR
- 6. Research Methodology
- 7. IPR and Patenting
- 8. Digital Business Management
- 9. Environmental Management

#### 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

Thesis report of M.E Project













DTE Code: ME3219

# **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

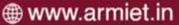
- 1. Project Management
- 2. Finance Management
- 3. Entrepreneurship **Development and Management**
- 4. Human Resource Management
- 5. Professional Ethics and CSR
- 6. Research Methodology
- 7. IPR and Patenting
- 8. Digital Business Management
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Thesis report of M.E Project









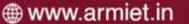




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# Documents & Certificates Required for Masters In Engineering Admission

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



# DTE Code: ME3219







Topper- M.E. EXTC First Year SGPA 8

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!

Contact: +91 8879648603 / 8850659617 / 8975237173 / 9960988761

www.armiet.in









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Mr. Syed Mohd Masood Ali

M.E., Mechanical Engg. Final Year

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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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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M.E Computer Engineering, Batch 2020

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# 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.





