



MAEER's MIT PUNE

Survey No. 124, Paud Road, Kothrud,
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M. E. ADMISSIONS - 2009

Admissions are available for Master of Engineering in the following courses
for the academic year 2009-10

Branch	No. of Seats Available			
	General	SC	ST	Sponsored
M. E. (Civil -Construction & Management)	10	02	01	05
M. E. (Civil -Structures)	10	02	01	05
M.E. (Electronics –Digital System)	10	02	01	05
M. E. (Petroleum)	10	02	01	05
M. E. (Polymer)	05	01	01	03

- **Duration of Course** : Two Years (4 Semesters)
(Affiliated to Pune University)
- **Eligibility** : As per AICTE & Pune University Rules
For M. E. (Civil -Const. & Management) & M. E. (Civil -Structures) : *B. E. /B. Tech. in CivilEngineering*
For M.E. (Electronics-Digital Systems) : *B.E./B.Tech. in Electronics & Telecommunication /Electronics Engineering*
For M. E. (Petroleum) : *B. E./ B. Tech. in Petroleum/Polymer/ Petrochemical/Chemical/Mechanical/ Production/Automobile/Mining/Metallurgy engineering from Pune or recognized University.*
For M. E. (Polymer Engg.) : *B. E. /B. Tech. in Polymer/Plastics/ Chemical Engg.*

- Candidates with Valid GATE score will be considered first on merit basis.
- If GATE qualified candidates are not available, remaining seats will be filled from non GATE eligible candidates based on merit obtained in the entrance test. The Entrance Test will be conducted at **MIT- Paud Road, Kothrud, Pune-38** on **07/07/2009. (Time 11.30 am to 1.30 pm)**

Eligible and interested candidates should apply in prescribed application form before **30/06/2009**. Prospectus and blank application forms are available in the office of H. O. D. Applied Mechanics Department MIT-Pune (or can be downloaded from Web site www.mitpune.com). For more details please contact [Prof. Mrs. A.Rajan/Mr. Rakh S.S. \(Contact No. 020- 30273625\)](mailto:Prof. Mrs. A.Rajan/Mr. Rakh S.S.)

M.E. ENTRANCE TEST - 07/07/2009

- Date of Test** : **07/07/2009.**
- Time** : Time 11.30 am to 1.30 pm
- Venue :**
- 1) **For M.E.(Civil - Construction & Management)**
M.E. Class room (Civil Department)
 - 2) **For M.E. (Civil – Structures)**
Testing of Materials Lab.
Applied Mechanics Department
 - 3) **For M.E. (Electronics - Digital System)**
E &T/C Department
 - 4) **For M.E (Petroleum/ Polymer)**
Petroleum/ Polymer Department

Nature of Test :-

- (i) **M.E. Entrance Test paper will consist of two sections (A) and (B). Section (A) will have 50 multiple choice questions of one mark each (Subtotal 50 marks). Section (B) will have four subjective type questions of five marks each (Subtotal 20 marks).**
- (ii) **Branch wise syllabus for Entrance Test is as follows :**

1) For Civil-Structural Engineering:

Applied Mechanics, Strength Of Materials, Theory of Structures, Design of Structures, Prestressed Concrete, Concrete Technology, Computer Programmes etc.

2) For Civil-Construction & Management:

Project Management, Construction Techniques & machinery, foundation Engineering; Estimating, Tendering, Valuation, Concrete Technology.

3) **For Electronics –Digital System:**

Electronic Devices: Device technology: integrated circuits fabrication process,

Analog Circuits: Amplifiers, Analysis of amplifiers, Simple op-amp circuits. Filters.

Sinusoidal oscillators, Function generators and wave-shaping circuits. Power supplies.

Digital circuits: logic gates, digital IC families (DTL, TTL, ECL, MOS, CMOS),

ADCs, DACs. Semiconductor memories. Microprocessor(8085) architecture,

programming, memory , I/O interfacing, micro controllers.

Signals and Systems: Sampling theorems. Linear Time-Invariant (LTI) Systems: Signal transmission through LTI systems. autocorrelation, power spectral density.

Multimedia: multimedia authoring and data representation, data compression, computer and multimedia networks.

Digital Signal Processing: Transforms in DSP, Discrete –time Processing with DFT, Digital Filters

Computer Networks: LAN,WAN,MAN,OSI and TCP/IP

4) **For Petroleum:**

Fundamentals of Petroleum/Polymer/Petrochemical/Chemical/Mechanical/
Production/Automobile/Mining/Metallurgy engineering.

5) **For Polymer :**

Fundamentals of *Polymer/Plastics/Chemical Engg.*

Note :- 1) Use of calculator, I.S. Codes is allowed. Answer books will be supplied.

2) Bring the receipt of form purchased / or Photo copy of demand draft Rs. 750/- as hall ticket.