

पूर्वोत्तर पर्वतीय विश्वविद्यालय
जिला: पूर्वी खासी हिल्स, शिलांग - 793022
मेघालय, भारत



North-Eastern Hill University
District: East Khasi Hills, Shillong - 793022
Meghalaya, India

F. No. SOT-IT/ADM/2026-2018

Date: 11/9/26

ADMISSION NOTIFICATION

Entrance Examination for 2nd Phase Admission to M. Tech (IT) Programme (2026-27) through Standard Operating Procedure (SOP)

In continuation of Admission Notification **F.28-4/ Acad/ Admission / 2025(A) Pt -45 dated 24/08/2026**, admissions into the **M. Tech (IT)** programme for non-CUET candidates will be conducted through a written entrance examination comprising Multiple Choice Questions (MCQs) based on the syllabus prescribed in **Annexure - I**.

Selection Criteria

A merit list will be prepared based on the composite score calculated from:

- Marks secured in the Entrance Examination.
- Weightages applicable to candidates as per NEHU rules.

Note: The decision of the Admission Committee in all matters regarding admission shall be final and binding.

Schedule & Venue of Written Test

Parameter	Details
Date & Venue	17th September 2026 (Thursday) Department of Information Technology, NEHU, Shillong
Reporting Time	10:00 AM (Seminar Hall, Department of IT)
Document Verification	10:30 AM – 11:30 AM
Time of Written Test	11:30 AM – 12:30 PM (Duration: 1 Hour)
Total Marks	100 Marks



Important Instructions Regarding Document Verification:

All candidates must appear in person with **ORIGINAL documents along with self-attested photocopies** for physical verification at the specified date and time. Failure to produce the required documents will result in the immediate forfeiture of candidature for admission.

1. Qualifying degree Marksheet/Grade Card and Provisional/Original Degree Certificate.
2. Pass Certificates of all Board/Council/University examinations (Class X onwards).
3. Marksheets/Grade Cards of all Board/Council/University examinations (Class X onwards).
4. Valid SC/ST Certificate issued by the Deputy Commissioner (DC) or equivalent competent authority under the seal of the DC office only.
5. Permanent Residential Certificate (PRC) for candidates claiming permanent residence in Meghalaya.
6. Valid CUET and/or GATE scorecard (if applicable).
7. For Employed Candidates: No Objection Certificate (NOC) / Leave Sanction Order / Release Letter from the present employer.
8. Two (2) recent passport-sized photographs.
9. Relevant documents supporting any special category claims (e.g., EWS, Educationally Backward Area, NEHU Quota, etc., as per the Prospectus).
10. Valid digital payment setup (UPI/Credit Card/Debit Card) for immediate payment of the admission fee upon selection. UPI is preferred. Cash payments will NOT be accepted.
11. **Printed copy of the application form.**

Head, Department of Information Technology

North-Eastern Hill University, Shillong - 793022

Department of Information Technology
NEHU, Shillong - 22



ANNEXURE - I

Syllabus for M. Tech (IT) Entrance Examination

Total Marks: 100

Subject	Weightage	Detailed Syllabus
C Programming	20 Marks	Variables and Data Types, Operators and Expressions, Control Statements (Branching and Looping), Functions, Arrays, Structures and Unions, Pointers, File Management.
Data Structures & Algorithms	20 Marks	Arrays, Linked Lists, Queues, Stacks, Trees, Graphs, Hashing, Searching and Sorting Algorithms.
Computer Organization & Architecture	20 Marks	Machine Instructions and Addressing Modes, ALU and Data Path, CPU Control Design, Memory Interface, I/O Interface (Interrupt and DMA mode), Instruction Pipelining, Cache and Main Memory, Secondary Storage.
Operating Systems	10 Marks	Processes, Threads, Inter-process Communication, Concurrency,



Synchronization,
Deadlocks, CPU
Scheduling, Memory
Management and
Virtual Memory, File
Systems, I/O Systems,
Protection and Security.

**Data Communication
& Networking**

10 Marks

ISO/OSI Stack and
TCP/IP Protocol Suite,
LAN Technologies
(Ethernet, Token Ring),
Flow and Error Control
Techniques, Routing
Algorithms, Congestion
Control, TCP/UDP and
Sockets, IPv4,
Application Layer
Protocols, Network
Devices (Hubs,
Switches, Gateways,
Routers).

Mathematics

20 Marks

Mathematical Logic, Set
Theory, Combinatorics
(Permutations &
Combinations),
Probability, Algebra,
Graph Theory, Linear
Algebra, Calculus,
Numerical Methods.

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