

Department of Electronics and Communication Engineering
School of Technology
North Eastern Hill University, Shillong-793022

B.Tech ECE Lateral Entry Entrance Examination (LEEE) - 2026

F.No.7.16/ECE/B.Tech Lateral Entry/2026-01

Date: 15.07.2026

The admission/selection to 2nd year/3rd semester B.Tech (ECE) program for a limited number of seats will be based only on the **offline written examination** (Please refer to the detailed syllabus) of **one hour duration (total marks 100)**.

Eligibility of appearing LEEE- 2026:

3 years Diploma in Engineering from following disciplines: ECE/ Electrical/ Instrumentation/ Medical Electronics/ Information Technology/ CSE having secured a minimum of three years of institutional study after class 10/SSLC examination OR B.Sc. in Electronics/ Mathematics/Physics having secured a minimum of 60% marks in aggregate from any recognized institution having Mathematics at 10+2 level.

Merit list shall be prepared as per NEHU rules and based on the performance in LEEE-2026 Entrance exam. Important dates are as follows:

Date of Offline Written Examination	4th August 2026 (Tuesday)
Document verification and Written Examination	Document verification: 9:30 AM – 11:30 AM (2 hours) Examination timing: 12:15 PM to 1.15 PM (1 hour)
Venue	Department of Electronics and Communication Engineering, NEHU, Shillong.
Publication of Merit List	On 6th August 2026 (Thursday)
Date of Admission	On or before 13th August 2026 (Thursday)

The applicants are informed to check their Samarth portal/NEHU website/email regularly for any update.

In case, any candidate fails to report on the specified date and time, she/he will forfeit her/his candidature. Furthermore, if selected, the candidate has to take admission within the time frame, or else her/his claim against the seat will be invalidated.

You are further informed ***to bring the following documents in ORIGINAL for verification failing which your selection for the entrance test will be stand canceled:***

1. Printed copy of the application form
2. Pass certificate of Degree/ Diploma in relevant discipline as mentioned in eligibility criteria.
3. Pass certificates of all board/council examinations starting from HSLC or equivalent.
4. Mark sheets/grade cards of all board/council examinations starting from HSLC or equivalent.
5. Valid certificate for SC/ST issued by Deputy Commissioner (DC) or competent authority under the seal of DC's office only.
6. Employment certificate issued from Registrar's Office, NEHU (for NEHU Ward cases only).
7. Valid certificate for Persons with Disability (PH Category Candidates).
8. EWS certificate from the competent authority.
9. Date of Birth Certificate or HSLC certificate.
10. Permanent residence of Meghalaya should bring:
 - a. Permanent Resident Certificate
 - b. Educationally backward areas Certificate: Certificate as mentioned in admission notice, in this regard the certificate should be issued by the Block Development Officer with backwardness 5% or more, than the National Level.

The decision of the admission committee in all matters shall be binding and final.

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Syllabus for B.Tech ECE Lateral Entry Entrance Examination 2026

- **Total marks for the exam will be 100 marks.**
- **4 marks are awarded for every correct answer.**
- **Each incorrect answer will fetch 25% negative marks for that question.**
- **Candidates securing less than or equal to a ‘Zero mark’ will not be considered for admission.**

Electronics Devices and Circuits: Classification of materials into conductor, semiconductor, insulator etc, electrical properties, magnetic materials, various types of relays, switches and connectors. Conventional representation of electric & electronics circuits elements. Active and passive components; semiconductor Physics; Semiconductor Diode; Bipolar transistor & their circuits; Transistor Biasing stabilization of operating point; Single stage transistor amplifier; field effect transistor, MOSFET circuits application. Multistage Transistor Amplifier; Transistor Audio Power Amplifier; feedback in Amplifier; Sinusoidal; Oscillators; Tuned Voltage Amplifier; Opto-Electronics Devices and their applications; Operational Amplifier, Wave shaping and switching circuits. Block diagram of IC Timer (such as 555) and its working; Multivibrator Circuits; Time Base Circuits; Thyristor, and regulated power supply. **[16 marks]**

Digital Electronics: Applications and advantages of digital system; number system (binary and hexadecimal); Logic Gates; Logic Simplification; Codes and Parity; Arithmetic Circuits; Decoders, Display Devices and Associated Circuits, Multiplexers and De-multiplexers; Latches and Flip Flops; Counters; Shift Registers; Memories A/D and D/A converters. **[16 marks]**

Communication: Principles of AM Modulation, demodulation and its various types. FM and PM modulator/demodulator, pulse modulation. Introduction to Microwave Devices. **[16 marks]**

Network, Filters and Transmission Lines: Two port network; Attenuators; Filters; Transmission Lines and their applications, characteristic impedance of line; concept of refraction and standing waves on a transmission line; Transmission line equations; principles of impedance matching, Bandwidth consideration of a transmission line. **[16 marks]**

Instruments and Measurements: Specification of instruments- accuracy, precision, sensitivity, resolution range, errors in measurements and loading effect; principles of voltage, current and resistance measurements; Transducers, measurement of displacement & strain forces & torque measuring devices, pressure measuring devices flow measuring devices, power control devices & circuits. Types of AC milli voltmeters. Block diagram, explanation of a basic CRO and a triggered sweep oscilloscope, front panel controls; impedance bridges and Q-Meters. Principles of working and specifications of logic probes, signal analyzer and logic analyzer, signal generator, distortion factor meter, spectrum analyzer. **[12 marks]**

Control System: Basic elements of control system, open and closed loop system, concept of feedback, Block diagram of control system, Time lag, hysteresis, linearity concepts, Transfer function of simple control components, single feedback configuration. Time response of systems. Stability Analysis Characteristics equation, Routh Hurwitz criteria. Nyquist criterion, Relative stability, phase margin and gain margin, root locus techniques. **[12 marks]**

Microprocessors (8085): Typical organization of a microprocessor system & functions of its various blocks; Architecture of a Microprocessors; Memories and I/O Interfacing, Addressing Modes; concept of Instruction set; programming exercises in assembly language; concept of interrupt, Data transfer techniques, DMA, serial output data, serial input data. **[12 marks]**

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The following students are hereby provisionally shortlisted to appear for the **B. Tech (ECE)**
Lateral Entry-2026 Entrance Test Examination.

Sl.No.	FORM NUMBER	APPLICATION NUMBER	NAME OF THE APPLICANT	NAME OF FATHER
1	NEHU260000014	20	SHANNYWELL LYNGDOH	KROSTARWELL THONGNI
2	NEHU260000036	232	JARJARI CHAKMA	TARUN CHAKMA
3	NEHU260000038	236	MRIDUL BARGAYARY	RANJIB BARGAYARY
4	NEHU260000040	273	SOUBHRATRA PANJA	SUJAY KUMAR PANJA
5	NEHU260000046	278	BELI SINGHA	RATAN SINGHA
6	NEHU260000114	298	IATEILANG RUDEAN RYNJAH	RUPERT STEVEN TARIANG
7	NEHU260000178	840	DHANDDEEP MILI	DEBANANDA MILI
8	NEHU260000193	879	ANIKA KAUR	MANBIR SINGH
9	NEHU260000214	974	LEOSTAVINSON KURKALANG	SHAILANG KHARRYNGKI
10	NEHU260000242	572	NIRAJ NAYAN GOSWAMI	HEMANTA KUMAR GOSWAMI
11	NEHU260000295	1048	ANJALU BASUMATARY	SAMAR BASUMATARY
12	NEHU260000340	1445	ROHIT KUMAR SINGH	SUNIL KUMAR SINGH
13	NEHU260000368	1575	IAPHISHA THABAH	IOANNIS SHYLLA
14	NEHU260000386	946	BIPRAJIT NATH	BIMAL NATH
15	NEHU260000395	1426	SATYAM SONAR	SURAJ SONAR
16	NEHU260000401	1687	PRIYANSHU SARKAR	PRABHAT RANJAN SARKAR
17	NEHU260000474	1913	ABRAH CHANDA	PRANAB KUMAR CHANDA
18	NEHU260000486	1961	PRASURJYA BARUAH	DULAL BARUAH
19	NEHU260000513	1971	NAMRATA PANDIT	PRAKASH MOHAN PANDIT
20	NEHU260000570	2273	BHAIHIERING LANGTHASA	LT BHOLANATH LANGTHASA
21	NEHU260000581	2289	SINTAMERI BASAIWMOIT	DARMAN MARBANIANG
22	NEHU260001329	1520	DAMEWOT O NONGBRI	OHIYOO CHALLAM
23	NEHU260000633	1213	SUMIT BORUAH	BINUD BORUAH
24	NEHU260000660	2497	DOMNIC DAIMARI	RONIL DAIMARI
25	NEHU260000669	2543	MOURASHI BORA	GAUTAM BORA
26	NEHU260000685	2398	BUILDERSON LYNGDOH	LAMPHRANGLIN THONGNI
27	NEHU260000711	2267	PRASANT CHETTRI	LATE DURGA BAHADUR CHETTRI
28	NEHU260000762	2838	MEBANPYNBIANG LANGWAR	(L) DAIOW NIANG
29	NEHU260000800	1786	CHRISTY SUBBA	SUKLAL SUBBA
30	NEHU260000851	3021	ANURAG SINHA	SANAT KUMAR SINHA
31	NEHU260000875	3263	MAKASHISHA SOHTUN	PHAREK KHARSHIING
32	NEHU260000881	3319	SNEHAL DEB	SUBRATA DEB
33	NEHU260000916	3400	KHYATI MAZUMDAR	DIP JYOTI MAZUMDAR
34	NEHU260000918	3412	RAJANYA CHAKRABORTY	RAJU CHAKRABORTY
35	NEHU260000925	2590	PRIYANKUSH SARMA	APURBA SARMA
36	NEHU260000967	3367	ENBOKBHA SYIEMLIEH	PHARTINGSON LYNGDOH LYNGKHOI

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37	NEHU260000978	3559	HIMANGSHU PROTIM BORAH	RUPAK BORAH
38	NEHU260001015	2895	KATHRINA SYNDOR	ALTAF DKHAR
39	NEHU260001025	1075	NITIGNYA RAJNANDAN	RAJIB KALITA
40	NEHU260001041	3553	IBANISHA KHARDEWSAW	TLINGSHON SANGRIANG
41	NEHU260001256	2968	RITALIN KHONGSNI	APLAI KHONGBUHPHANG
42	NEHU260001571	1624	SKHEM KUPAR ZETTI SWER	OSSING KHARNAIOR
43	NEHU260001583	3000	ABHINAV BHARTI	SANJIV KUMAR BHARTI
44	NEHU260001040	738	SUROJIT PATHAK	SUBADH CHANDRA PATHAK
45	NEHU260001050	3737	KORINA BRAHMA	JANAK KR BRAHMA
46	NEHU260001086	3728	SYAMANTAK BEJ	SOURINDRA NATH BEJ
47	NEHU260001171	4107	SYED WALID ANWER	SYED PAYAM REZA
48	NEHU260001204	3935	EBHAHME BAREH	FORWARD SUJA
49	NEHU260001235	3675	AGRIKGRA M MARAK	BIJOY P MARAK
50	NEHU260001260	4322	PRATIK SONOWAL	MEDINI SONOWAL
51	NEHU260001343	4505	SANTANU DAS	PRAFULLA DAS
52	NEHU260001386	4526	PRABAL DEEP SINGHA	SANJAY SINGHA
53	NEHU260001389	4595	PARTHAJYOTI ROY	ATUL CH. ROY
54	NEHU260001419	4173	ANOUSHKA PAUL	BIVAS CHANDRA PAUL
55	NEHU260001433	3490	ARBAAZ KHAN	SAJID KHAN
56	NEHU260001451	4660	POONAM SONI	PAPPU RAM SONI
57	NEHU260001460	4721	GWRWBTHA RAJA DAIMARI	BANGRING DAIMARI
58	NEHU260001545	3736	KADIR HAMIDUZ ZAMAN	MATLAB HUSSAIN
59	NEHU260001543	4850	PRITAM MANDAL	PROSANTA MONDAL
60	NEHU260001548	4858	DEVESH CHANDRA	GOVIND MOHAN THAKUR
61	NEHU260001567	3850	IENGSKHEM MADUR	SHNGAIN MASYNTING
62	NEHU260001580	4879	NIKITA DEKA	BIPIN DEKA

Note: All the above candidates are requested to bring their original certificates for verification with a Xerox copy of each along with the application form.

Sd/-
Chairman
B.Tech (ECE) Lateral Entry Admission Committee 2026.

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Annexure-I

**Certificate for Claiming University Weightage under Educationally Backward Areas*
(Applicable only to Domiciles of Meghalaya)**

This is to certify that Mr. / Ms. (name of the candidate) _____ son
/ daughter / ward of (name of the mother/father/guardian) _____ is
a permanent resident of (name of the village/locality) _____
falling under the jurisdiction of (name of the Block) _____ within
the district of _____ in the State of Meghalaya.

(Signature and Seal of Village Headman)

I certify that the village/locality mentioned above falls within the jurisdiction of (name of the Block)

(Signature and Seal of Block Development Officer)

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Annexure-II

Letter of Undertaking

I, hereby declare that I am aware of the guidelines provided by the North-Eastern Hill University, Shillong, through “NEHU Prospectus (available on website)” for taking admission into the B.Tech (ECE) Lateral Entry Programme 2026. I understand that in case of provisional selection in B.Tech (ECE) Lateral Entry Programme 2026, my candidature against the seat will be valid only after producing final semester/year mark sheet with requisite criteria within one month from the date of admission. In case of failing to produce qualifying eligibility marks-sheet, I will forfeit seat without any further claim whatsoever.

(Signature of the candidate)

Date:

Place: