

NORTH EASTERN REGIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY

NIRJULI::ARUNACHAL PRADESH

No.Acad/Ac/2015/450/011-16

Dated Nirjuli, the 31st March' 2015.

NOTIFICATION

In pursuance of the resolutions of Item No 19.03 of 19th AC Meeting held on 22.11.14 [as per approval vide resolution AC 17.07(b) of the 17th AC Meeting], the Academic Council has approved to implement the formula suggested by the Committee under the Chairmanship of Prof N.Deb with a modification that the cut off be mean-sigma ($\mu - \sigma$) for the selection of candidates through NERIST Entrance Examinations.

This notification is issued with the approval of the Competent Authority.

Sd/-
Dean(Acad)

Memo No .Acad/Ac/2015/450

Dated Nirjuli, the 31st March' 2015.

1. The Chairman, NEE, NERIST for information and compliance with a copy of Report of the Committee constituted vide no Acad/19th/AC/2014/442/dtd 07.11.14.
- 4 nos → 2. All Deans for information please. → 2/4/15
3. All HoD/HoC for information please.
- 2/4/15 4. The Registrar's/ Director's Cell for information please. → 2/4/15
5. Office copy.

HOD (MA) →

HOD (CE) →

(AIE) (HE) →

2/4/15

HOD (HES) →

2/4/15

Chairman
NEE
2/4/15

HOD (MS)

2/4/15

(Dr K.K.Rajesh)
Assistant Registrar (Acad)
31/03/15

Report

(Committee constituted vide office notification no. Acad/19th.AC/2014/442 dated 7th Nov 2014);

In accordance with Notification No. Acad/19th.AC/2014/442 dated 7th November 2014, the committee held a meeting on 14 November 2014 in the Office of the NEE Chairman and deliberated upon the matter. After reviewing last two years' data, the committee decided the following:

1. The cut-off should be introduced in NEE-I only, as NEE-II is proposed to be replaced by JEE (Main) and NEE-III already has a cut-off of 60% marks in the qualifying examination.
2. The NEE-I cut-off is proposed to be on the cumulative marks of the candidate.
3. The cut-off should not be a fixed percentage, rather should be variable and calculated by a formula depending on the marks obtained by the candidates in a particular year of entrance exam.
4. The formula proposed is

$$\text{Cut-off marks} = \mu - \frac{\sigma}{2} \quad \dots(1)$$

Where,

$$\begin{aligned} \mu &= \text{arithmetic mean of the total marks obtained by all candidates} \\ &= \frac{\sum_{i=1}^n x_i}{n} \end{aligned}$$

and

$$\begin{aligned} \sigma &= \text{standard deviation of the total marks obtained by all candidates} \\ &= \sqrt{\frac{\sum_{i=1}^n (x_i - \mu)^2}{n}} \end{aligned}$$

with

n = number of total candidates appeared in NEE-I

x_i = total marks obtained by i^{th} student

5. When the same formula was tested with past two years' data the following were observed

NEE-I 2013:

$$n = 6142$$

$$\mu = 30.433$$

$$\sigma = 16.665$$

$$\text{Cut-off (proposed)} = 22.1$$

Lowest marks with which candidate was selected from waiting list = 28.0

Therefore, no candidate was there below the proposed cut-off even in the waiting list.

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NEE-I 2014.

$n = 5808$

$\mu = 31.33$

$\sigma = 18.17$

Cut-off (proposed) = 22.245

Lowest marks with which candidate was selected from waiting list = 8.0

Number of candidates below the proposed cut-off in the waiting list = 19.

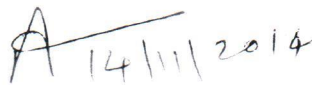
In both the years, total marks obtained by extended waiting list students from Arunachal Pradesh were much above the cut-off value.

6. If, due to implementation of the proposed cut-off, some seats remain vacant compared to previous years when there was no cut-off, candidates may be selected from open merit list as total number of students admitted through NEE-I should not decline.

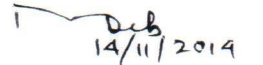
The committee has taken into account the above points to fix the minimum cut-off marks in the NEE-I entrance examination.


14/11/14

Dr. Arnab Bandyopadhyay
Asst. Prof. (AE)
Member


14/11/2014

Dr. Arvind Pandey
Assoc. Prof. (PH)
Member


14/11/2014

Dr. N. Deb
Professor (CH)
Chairman

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