



राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA

शिक्षा मंत्रालय, भारत सरकार के अधीन एक राष्ट्रीय महत्व का संस्थान
An Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India

Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/2820

Dated: 28.03.2025.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- Rajya Sabha Admitted Unstarred Question No. 3558 dated 02/04/2025 regarding Drop out and Suicide rates in IIT, NIT, IIM and Central Universities -regarding.

Ref:- Email received from TS-III, dated 27.03.2025.

Sir/ Madam,

Please refer to your email dated 27.03.2025 regarding, “Rajya Sabha Admitted Unstarred Question No. 3558 dated 02/04/2025 regarding Drop out and Suicide rates in IIT, NIT, IIM and Central Universities.”

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	whether it is a fact that many IIT's, NIT's, IIM's and Central Universities have reported an exponential increase in the student dropout and suicide rates;	No Suicide case at NIT Meghalaya.
b)	if so, the year-wise details of dropouts and suicide rate in each IIT's, NIT's, IIM's and Central Universities separately in the last five years;	No Suicide case at NIT Meghalaya.
c)	whether Government is considering to conduct any enquiry on the context of this increased dropout rates and suicide rates in the national institutions; and	Not Applicable.
d)	if so, the details thereof, and, if not, the reasons therefor?	Not Applicable.
e)	Students Dropout/Cancelled Admission	Annexure-I

This issues with approval of the Competent Authority.

Thanking you.

(Dr. B. Chakravarty)
Registrar

Copy to:

1. Director's Office, for kind information of the Director, NIT Meghalaya.



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NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA

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Annexure-I

STUDENTS DROUPOUT/CANCELLED ADMISSION								
S.No.	Name of the Institute	Years	Category					
			General	SC	ST	OBC	EWS	Total
01	NIT Meghalaya	2024	2	3	14	5	3	27
		2025 (as on 25.03.2025)	2	2	7	2	0	13

(Dr. B. Chakravarty)
Registrar



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Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/2789

Dated: 26.03.2025.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- MOST URGENT: Rajya Sabha Provisionally Admitted Starred Questions Diary No. 4884 to be answered on 02.04.2025-regarding.

Ref:- Email received from TS-III, dated 26.03.2025.

Sir/ Madam,

Please refer to your email dated 25.03.2025 regarding, “**MOST URGENT: Rajya Sabha Provisionally Admitted Starred Questions Diary No. 4884 to be answered on 02.04.2025 - regarding.**”

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply	
a)	The total number of sanctioned seats in National Institute of Technology, IITs, Super Specialties and Medical Institutes across the country. Please provide details thereof;	sanctioned seats	
		Faculty	78
		Non-Faculty	86
b)	The total number of seats lying vacant since five years. State-wise details thereof; and	Nil	
c)	Steps taken by Government to fill these seats in the last three years?	If any position vacated due to resignation of the faculty and non-faculty, the Institute regularly advertise for the Vacant Positions.	

This issues with approval of the Competent Authority.

Thanking you.


(Dr. B. Chakravarty)
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Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/2305

Dated: 27.03.2025.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- **Rajya Sabha Unstarred Dy. No. 1885 for 01.04.2025 reg "Smartphone usage and mental health issues regarding.**

Ref:- **Email received from TS-III, dated 26.03.2025.**

Sir/ Madam,

Please refer to your email dated 26.03.2025 regarding, "**Rajya Sabha Unstarred Dy. No. 1885 for 01.04.2025 reg "Smartphone usage and mental health issues- regarding."**

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	(a) whether Government has conducted any studies on the correlation between smartphone usage among school students and mental health issues, particularly in adolescents, if so, the details thereof;	Not Applicable to NIT Meghalaya
b)	b) the steps taken to address the growing mental health concerns linked to early smartphone usage among school children, especially with the rise of aggression, anger, and irritability; and	Not Applicable to NIT Meghalaya
c)	c) whether there is any plan to launch any mental health awareness campaigns targeted for young people and their families to raise awareness about the effects of excessive smartphone usage, if so, the details thereof?	Annexure-I

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Annexure-I

NIT Meghalaya has a well-functioning counselling centre with qualified counsellors. We also have an MoU with the online counselling platform Your Dost. So, we are addressing the issues related to the above-mentioned problem through proper counselling.

Also, we are planning to do the following programmes in the future for those mentioned above:

1. Awareness programmes on excessive mobile phone and gadgets usage to school students in different schools in Sohra (Cherrapunjee), Meghalaya.
2. Community Awareness classes focusing on the regulation of screen time among children in Sohra (Cherrapunjee) and neighbouring villages.
3. Awareness programmes for NIT students and students of neighbouring colleges in Sohra.
4. Campaign about excessive smartphone use and mental health issues among students.
5. Collaboration with various mental health professionals for conducting awareness programmes.

Dr. C. C. Chutia



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Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/2806

Dated: 27.03.2025

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- Rajya Sabha Question has been admitted as Unstarred Question No.3551 for answer 02.04.2025-regarding.

Ref:- Email received from TS-III, dated 27.03.2025.

Sir/ Madam,

Please refer to your email dated 27.03.2025 regarding, "Rajya Sabha Question has been admitted as Unstarred Question No.3551 for answer 02.04.2025- regarding."

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply	
a)	The total number of sanctioned seats in National Institute of Technology, IITs, Super Specialties and Medical Institutes across the country. Please provide details thereof;	sanctioned seats	
		Faculty	78
		Non-Faculty	86
b)	The total number of seats lying vacant since five years. State-wise details thereof; and	Nil	
c)	Steps taken by Government to fill these seats in the last three years?	If any position vacated due to resignation of the faculty and non-faculty, the Institute regularly advertise for the Vacant Positions.	

This issues with approval of the Competent Authority.

Thanking you.

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Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/ 352 90

Dated: 26.03.2025

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- Request for inputs with respect to Provisionally admitted Question in Rajya Sabha Dy No. 5971 - regarding.

Ref:- Email received from TS-III, dated 25.03.2025.

Sir/ Madam,


Please refer to your email dated 25.03.2025 regarding, “Request for inputs with respect to Provisionally admitted Question in Rajya Sabha Dy No. 5971 - regarding.”

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	Whether Government is considering to take measures to introduce use of artificial intelligence in educational institutions in the country;	Yes. Govt. of India has provided fund for doing research for the use of AI in different application in AI field.
b)	If so, the details of such measures being taken/to be taken thereof;	Annexure-I
c)	The expected benefits arising out of the same; and	Annexure-II
d)	The proposed measures to be taken thereof?	A center of excellence on AI can be established at NIT Meghalaya.

This issues with approval of the Competent Authority.

Thanking you.


(Dr. B. Chakravarty)
Registrar

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Response of b)

There were several research project where AI is applied. The projects are funded by Gov.t of India and Industries.

The Government of India has recognized Artificial Intelligence (AI) as a transformative technology and is actively promoting its adoption in various sectors like **Digital India, Cyber Security, AI in Healthcare** through funding to NIT Meghalaya. The following are key priority areas where AI research and innovation have been significantly advanced at NIT Meghalaya:

1. A Deep Learning Approach for Preservation of Cultural Heritage

This is the project funded by ANRF in the year 2022 for a period of 3 years. This project comes under the Digital India initiative.

Cultural Heritage Preservation

India's vast historical and cultural heritage is being preserved and restored using AI-based image processing and super-resolution techniques.

- AI models reconstruct low-resolution or damaged images of historical artifacts, manuscripts, and paintings, bringing lost details to life.
- AI-driven 3D reconstruction techniques are used to digitally recreate damaged or lost heritage sites, enabling scholars and the public to experience them through virtual museums and augmented reality (AR) applications.
- By leveraging AI, India is ensuring the preservation, accessibility, and study of its rich cultural heritage for future generations.

2. Polyp Detection in Healthcare

Several research scholars were working in the area of healthcare. Out of which early detection of cancer is one of the priority areas of the Govt. There were several research articles can be found in the google scholar link:

https://scholar.google.com/citations?user=r_LyAt4AAAAJ&hl=en

- Colorectal cancer remains a major health concern, and AI-powered solutions are revolutionizing early detection and diagnosis of polyps in endoscopic imaging.
- AI-driven deep learning models analyze colonoscopy images in real-time to detect polyps with high accuracy, assisting doctors in making faster and more reliable diagnoses.
- Computer vision algorithms help in identifying abnormal tissue growth and differentiating between benign and malignant polyps, reducing false positives and improving patient outcomes.
- AI-based polyp detection systems are integrated with endoscopic screening tools, allowing real-time alerts and improving colorectal cancer detection rates, especially in early stages.
- These advancements contribute to reducing human error, improving diagnostic accuracy, and enhancing early cancer detection efforts.



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Annexure-II

Response of c)

- i. Under preservation of cultural heritage, we have published one paper in reputed conference and some other research articles are under review in reputed journals.
- ii. We are in the process of publishing a dataset comprising of historical monuments available in Meghalaya region like State Central Library Monuments, Ward's Lake, Nongsawlia Presbyterian Church, Mawsmi Cave, David Scott Monument, and Nartiang Durga Temple etc.
- iii. Under healthcare area, we are working in collaboration with AIIMS Raebareli and other researchers from various institutes. Also, we have published research articles in various journals and conferences.

Some highlighted Publications:

1. Automatic Image Registration using SIFT and AKAZE: An application for Preservation of Cultural Heritage, in 2023 OITS International Conference on Information Technology (OCIT), IEEE held at NIT Raipur
2. WMCF-Net: Wavelet Pooling-based Multiscale Contextual Fusion Network for Polyp Classification in Biomedical Signal Processing and control Journal (2025)
3. MSPolypNet: A residual multi-scale semantic approach for polyps segmentation in Computers and Electrical Engineering Journal. (2025)
4. GCAPSeg-Net: An efficient global context-aware network for colorectal polyp segmentation in Biomedical Signal Processing and control Journal (2025)
5. A survey on cancer detection via convolutional neural networks: Current challenges and future directions in Neural Networks (2024)
6. EAYv3-CF: Ensemble Learning With Attention-Based Yv3 Combined With CF Loss for Obscenity Detection, in IEEE Transactions on Emerging Topics in Computational Intelligence.

(Dr. B. Chakravarty)
Registrar



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An Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India

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Ref. No. NITMGH/ES/PARLQUES/PT/VOL.II/2024-25/ 2780

Dated: 25.03.2025

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- Rajya Sabha Provisionally Admitted Starred Parliament Question Diary No. S7592 due for answer on 03.04.2025 regarding "India's Role in Global Science Diplomacy with the EU."

Ref:- Email received from TS-III, dated 21.03.2025.

Sir/ Madam,

Please refer to your email dated 21.03.2025 regarding, "Rajya Sabha Provisionally Admitted Starred Parliament Question Diary No. S7592 due for answer on 03.04.2025 regarding "India's Role in Global Science Diplomacy with the EU."

In this connection, the reply in respect of NIT Meghalaya is as follows: -

Sl.no	Query	NIT Meghalaya reply
a)	The steps taken by India to enhance science diplomacy and international collaboration in research with the EU;	NIT Meghalaya has been trying to increase formal collaborations with several European Universities. NIT Meghalaya has initiated collaboration with Technical University Ilmenau, Germany and in the process of initiating collaborations with other prominent German Universities like PTB Braunschweig, TU Hamburg towards higher education exchanges and research collaborations in specific domains including semiconductors, Artificial Intelligence, advance materials among others in 2025.
b)	Whether India is engaging with European universities and research bodies to promote joint scientific projects and technology innovation;	In 2025 January, NIT Meghalaya has applied for a joint project funding under SPARC GIANT call for proposal.
c)	The impact of such collaborations on India's R&D ecosystem and knowledge economy; and	Since the efforts for collaborations are at a nascent stage, impact assessment at this stage is beyond scope at this moment.
d)	Whether the Government has signed any new agreements for scientific exchange programs and joint research funding with EU institutions?	Yes for NIT Meghalaya
b)	if so, the details thereof; and	NIT Meghalaya has signed a joint declaration of intent with Technical University Ilmenau, Germany for joint research and collaborations in specific domains including semiconductors, Artificial Intelligence, advance materials among others in 2025. The Institute is also in the process of entering formal agreements for collaborative research, student and faculty exchanges with other German Universities.




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c)	the details of expected outcomes in the arena of Science & Technology out of such agreements	NIT Meghalaya expects that such agreements for joint research collaborations and exchanges shall catalyse the Institute's research outcomes in the long run.
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This issues with approval of the Competent Authority.

Thanking you.


(Dr. B. Chakravarty)
Registrar

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1. Director's Office, for kind information of the Director, NIT Meghalaya.



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An Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India

Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/2771

Dated: 25.03.2025.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- **CRASH CRASH : Request for inputs for provisionally admitted Starred Question Diary No.- 7581 for Rajya Sabha for answer on 02/04/2025 regarding India's Engagement with the EU in Higher Education & Research, regarding,**

Ref:- **Email received from TS-III, dated 25.03.2025.**

Sir/ Madam,

Please refer to your email dated 25.03.2025 regarding, **“CRASH CRASH : Request for inputs for provisionally admitted Starred Question Diary No.- 7581 for Rajya Sabha for answer on 02/04/2025 regarding India's Engagement with the EU in Higher Education & Research- reg.”.**

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	whether India is collaborating with EU nations to enhance higher education exchanges and research collaborations; if so, the details thereof;	NIT Meghalaya has initiated collaboration with TU Ilmenau, Germany and in the process of initiating collaborations with other prominent German Universities like PTB Braunschweig, TU Hamburg towards higher education exchanges and research collaborations.
b)	the details of joint initiatives with European universities under programs like Erasmus+ and Horizon Europe;	NIT Meghalaya has not participated in specific programs like Erasmus and Horizon Europe.
c)	whether any new agreements have been signed to promote student mobility, faculty exchange, and joint PhD programs; and	NIT Meghalaya has signed a joint declaration of intent with Technical University Ilmenau, Germany for joint research and collaborations in specific domains including semiconductors, Artificial Intelligence, advance materials among others in 2025 and also applied for a SPARC GIANT project call recently. The Institute is also in the process of entering formal agreements for collaborative research, student and faculty exchanges with other German Universities.
d)	the impact of these initiatives on India's academic institutions and research ecosystem?	Since the efforts for collaborations are at a nascent stage, assessment of impact at this stage is beyond scope at this moment.

This issues with approval of the Competent Authority,

Thanking you.

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Registrar

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Sub:- "Most Immediate: Lok Sabha Provisionally Admitted Question Dy. No. 8382 to be answered on 13.03.2025 reg "Development of Artificial Intelligence Hub"

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	whether the Government is developing an Artificial Intelligence (AI) hub to enable effective and efficient dissemination of information on various government initiatives and the platform will also have the facility for multilingual translation of contents for an effective outreach to the masses across the country and other initiatives included: Digital India Bhashini, a language translation platform; BharatGen, the world's first government-funded multimodal large language model, the Sarvam-1 AI LLM; Chitralkha, an open-source video transcription platform and the multilingual AI system Everest 1.0, which caters to various Indian languages; and;	The AI hub is currently not available at NIT Meghalaya
b)	if so, the details thereof and the way in which these are useful to all the people along with the funds sanctioned and spent for the purpose till date?	NA


(Dr. B. Chakravarty)
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Sub:- PARLIAMENT MATTER / MOST URGENT: Lok Sabha Starred Question D. No. 8002 for 19/03/2025 regarding "Impact of Online Gaming Addiction"

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	whether the Union Government has conducted any study on the impact of online gaming addiction, particularly its link to suicides among youth and if so, the key findings thereof;	NA
b)	the number of reported suicides linked to online gaming during the last three years, State-wise along with the measures taken to address this issue;	NA
c)	whether the Government plans to ban online games associated with suicides and mental health concerns and if so, the details of proposed regulations or restrictions; and	NIT Meghalaya will take the initiative in supervising the students and their mental health with regard to Online Gaming.
d)	if not, the reasons therefor?	NA


(Dr. B. Chakravarty)
Registrar



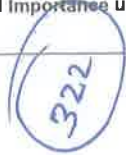
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An Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India

Sub:- Most Immediate: Lok Sabha Provisionally Admitted Question Dy. No. 8419 to be answered on 13.03.2025 reg "AI Research and Innovation Enhancement"

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	the steps taken by the Government to promote and enhance AI research and innovation across the country;	Annexure-I
b)	whether the Government has identified any priority areas for AI research and innovation,	
c)	if so, the names of these areas along with the rationale for their selection;	
d)	whether the government has achieved success in advancing AI research and innovation; and	Annexure-II
e)	if so, the details of notable initiatives or collaborations and if not, the reason therefor?	


(Dr. B. Chakravarty)
Registrar



AI Research and Innovation in Key Areas Identified by the Government

Answer to a, b and c:

The Government of India has recognized Artificial Intelligence (AI) as a transformative technology and is actively promoting its adoption in various sectors like **Digital India, Cyber Security, AI in Healthcare** through funding to NIT Meghalaya. The following are key priority areas where AI research and innovation have been significantly advanced at NIT Meghalaya:

1. A Deep Learning Approach for Preservation of Cultural Heritage

This is the project funded by ANRF in the year 2022 for a period of 3 years. This project comes under the Digital India initiative.

Cultural Heritage Preservation

India's vast historical and cultural heritage is being preserved and restored using AI-based image processing and super-resolution techniques.

- AI models reconstruct low-resolution or damaged images of historical artifacts, manuscripts, and paintings, bringing lost details to life.
- AI-driven 3D reconstruction techniques are used to digitally recreate damaged or lost heritage sites, enabling scholars and the public to experience them through virtual museums and augmented reality (AR) applications.
- By leveraging AI, India is ensuring the preservation, accessibility, and study of its rich cultural heritage for future generations.

2. Polyp Detection in Healthcare

Several research scholars were working in the area of healthcare. Out of which early detection of cancer is one of the priority areas of the Govt.

- Colorectal cancer remains a major health concern, and AI-powered solutions are revolutionizing early detection and diagnosis of polyps in endoscopic imaging.
- AI-driven deep learning models analyze colonoscopy images in real-time to detect polyps with high accuracy, assisting doctors in making faster and more reliable diagnoses.
- Computer vision algorithms help in identifying abnormal tissue growth and differentiating between benign and malignant polyps, reducing false positives and improving patient outcomes.
- AI-based polyp detection systems are integrated with endoscopic screening tools, allowing real-time alerts and improving colorectal cancer detection rates, especially in early stages.
- These advancements contribute to reducing human error, improving diagnostic accuracy, and enhancing early cancer detection efforts.

3. Design and Development of Intelligent Algorithms for Analysis and Detection of Obscene Content and Forgery in the Images Available in Social Media Platform, funded by BPR&D, MHA, Govt. of India under CCPWC Project scheme (2020-2022)

- Forgery Detection and localization: AI based forensic techniques were developed to identify image manipulations and digital forgeries along with their localizations.
- Obscene Content Detection and Localization in Images or Webpages: AI based methods were developed to handle these problems.

Also, a web based application is developed and handed over to BPR&D for further usage by Law and Enforcement agencies.

Dr. G. Saitsohpen



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An Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India

Sub:- "Rajya Sabha Admitted unstarred Question Dy. No. U891 for answer on 21.03.2025 on Uses of Artificial Intelligence(AI) in various sectors in India "

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	whether the Government has evaluated the positive and negative impact on extensive use of Artificial Intelligence (AI) in various sectors in India	Annexure-I
b)	If so, the details thereof;	
c)	Action contemplated to mitigate the negative impact and to prevent its misuse by a controlled mechanism;	


(Dr. B. Chakravarty)
Registrar



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Annexure-I

Government's Evaluation of AI's Impact in Various Sectors in India

(a) Whether the Government has evaluated the positive and negative impact of extensive use of AI in various sectors in India?

Yes, the Government of India has been actively involved in providing funds for fostering AI inclusion. Under various funding scheme, the funding agencies under Govt. of India through the Project Review Steering Group (PRSG), continuously evaluating the impact, outcomes and providing the suggestions for improvements.

NIT Meghalaya has received various funds for R&D activities out of which some are cited as follows. AI-driven solutions are being developed to detect and prevent obscene content, image forgery available in social media platforms. AI is playing a crucial role in restoring and preserving India's rich cultural heritage through advanced image reconstruction and historical artifact preservation techniques. Research and development for such problem is carried out by NIT Meghalaya through funding from ANRF.

AI is also transforming healthcare in the detection of diseases screening, by improving diagnostic accuracy and early disease detection. The positive and negative impacts of AI in these areas have been studied, and necessary regulatory and technological measures are being formulated to address emerging challenges by our research scholars through institute scholarships.

(b) If so, the details thereof

1. Design and Development of Intelligent Algorithms for Analysis and Detection of Obscene Content and Forgery in the Images Available in Social Media Platform, funded by BPR&D, MHA, Govt. of India under CCPWC Project scheme (2020-2022)

Under this project the followings are the positive and negative impact of AI

Positive Impact:

- Forgery Detection and localization: AI based forensic techniques were developed to identify image manipulations and digital forgeries along with their localizations.
- Obscene Content Detection and Localization in Images or Webpages: AI based methods were developed to handle these problems.

Also, a web based application is developed and handed over to BPR&D for further usage by Law and Enforcement agencies.

Dr. Anshu



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- MSPolypNet: A residual multi-scale semantic approach for polyps segmentation in Computers and Electrical Engineering Journal. (2025)
- GCAPSeg-Net: An efficient global context-aware network for colorectal polyp segmentation in Biomedical Signal Processing and control Journal (2025)
- A survey on cancer detection via convolutional neural networks: Current challenges and future directions in Neural Networks (2024)

AI in Predicting Pain Outcomes After Transforaminal Nerve Block (TENB)

Positive Impact:

- AI and deep learning models are being used to analyze patient data and predict pain relief outcomes after Transforaminal Nerve Block (TENB).
- AI-based predictive models improve personalized treatment plans by identifying patients who will benefit most from TENB.
- AI helps reduce trial-and-error treatments by predicting post-procedure effectiveness and potential complications.

Negative Impact & Challenges:

- AI models require large datasets for accurate predictions, and data scarcity is a challenge in medical AI research.
- Ethical concerns regarding patient data privacy and the need for transparent AI decision-making in healthcare.
- The accuracy of AI predictions depends on data quality, and improper training can lead to misleading results.

We at NIT Meghalaya are jointly working with AIIMS, Raebareli on this project.

Dr. G. S. Saitsohpen



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An Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India

Sub:- "Most Immediate: Lok Sabha Provisionally Admitted Question Dy. No. 6754 to be answered on 13.03.2025 reg "Integrating Meta's AI Model for Data Security and Privacy."

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a.	the manner in which the Government plans to monitor and evaluate the impact of the AI chatbot in improving learning outcomes, skilling initiatives and to enhance local skilling opportunities in the country including for youth in Jalgaon district and other rural areas of Maharashtra;	This is a location specific query and is not pertinent to NIT Meghalaya.
b.	the steps being taken by the Government to ensure data security and privacy while integrating Meta's AI model into the skill India ecosystem in the country particularly for skilling centers and institutions in Maharashtra;	
c.	the expected timeline for the full-scale roll out of the AI chatbot beyond the initial six-months pilot phase in the country including Jalgaon and other parts of Maharashtra;	
d.	the steps being taken by the government to integrate vernacular language support beyond English, Hindi and Hinglish to make AI-driven skilling more inclusive;	
e.	the steps being taken by the Government to integrate Marathi language support into the AI chatbot to ensure better accessibility for students and job seekers in Maharashtra especially in Jalgaon; and	
f.	the details of the outcomes on skill development and entrepreneurship through AI driven skill development by the Government?	

(Dr. B. Chakravarty)
Registrar



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Sub:- "Rajya Sabha question diary no. S4619 for answer on 21.3.2025."

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
c.	whether any educational institutions have been recognized to offer courses that align with the Government's startup vision, and if so, what are the specifics;	The institute is participating in capacity building program in design and entrepreneurship and initiative of ministry of education. NIT Meghalaya has institutions innovation council, start up and incubation cell which participate in various activities related to entrepreneurship.
d.	whether these programs have received funding from the Government, and if so, what is the total grant amount approved; and	
e.	whether these efforts are expected to significantly boost innovation and entrepreneurship across India, and if so, what are the anticipated outcomes?	

(Dr. B. Chakravarty)
Registrar



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Sub:- "Rajya Sabha Provisionally Admitted Unstarred Parliament Question Diary No. U4236 due for answer on 20.03.2025 regarding "Support Mechanisms for Women Scientists Facing Career Breaks"."

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
1.	1. Whether the Government has implemented schemes or policies to support women scientists facing a "break-in-career" due to family responsibilities, maternity, or other factors; if yes, the details thereof, including eligibility criteria and financial assistance provided;	The Institute provides maternity leave to female scholars up to six months once during the programme and personal leaves for 20 days in a year.
2.	2. The state-wise details of beneficiaries under these initiatives for the past five years, along with the total funds allocated and utilized;	Full fellowship amount is released to the female scholars during the approved leave period.
3.	3. Whether the Government has introduced any mentorship programs, research fellowships, or flexible work arrangements to encourage the re-entry of women scientists into research and academia;	Yes, we are having such provision.

(Dr. B. Chakravarty)
Registrar



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Sub:- "Rajya Sabha Starred Diary No. - 3394."

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a.	(a) Whether the Government is planning to attract and encourage Foreign Students/Researchers to do collaborative programmes in different Higher Education Institutes in North East.	Currently NIT Meghalaya has a number of foreign students in UG programmes. However, there are a few joint International projects funded by various Government agencies like SPARC, ASEAN/ AISTDF etc. that have international collaborations where foreign and Indian research scholars are jointly working in respective domains of science and technology.
b.	(b) if so the number of Foreign Students/Researchers doing courses including Ph.D courses in all the Central Universities, IIT, NIT, IIM in North East with details of last three years with name of Universities and Institutes;	However, the foreign students are NOT registered for PhD at NIT Meghalaya. The funding is for joint collaborative works and bilateral/ multilateral visits to respective universities/ labs only.
c.	(c) whether Government is trying to help Assam University, Silchar and Tezpur Universities, the two Central Universities of Assam to collaborative with Foreign Universities;	Does not pertain to NIT Meghalaya.
d.	(d) whether there is any Special Fund is being considered, if so, the details thereof?	NIT Meghalaya is not aware of any funds currently under consideration by the GoI.


(Dr. B. Chakravarty)
Registrar



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Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/ 2693

Dated: 11.03.2025.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- "Inputs required for Rajya Sabha Starred Question Diary No. 2457 for 19.03.2025 - reg."

Ref:- Email received from TS-III, dated 10.03.2025.

Sir/ Madam,

Please refer to your email dated 10.03.2025 regarding, **Inputs required for Rajya Sabha Starred Question Diary No. 2457 for 19.03.2025 - reg..**

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	The details of steps taken to ensure that girls have equal access to education, particularly in rural and economically disadvantaged areas;	Different awareness programmes are run by the Institute to spread awareness among the schools located in the rural areas.
b)	The details of steps to support women's higher education and skills development in the country;	<ul style="list-style-type: none">• Institute reserves 20% seats for the women candidates.• Full fee waiver for SC/ST Students.• The most economically backward students (whose family income is less than ~1.00 lakh per annum) are getting full tuition fee waiver.• The other economically backward students (whose family income is between ~1.00 lakh to ~5.00 lakh per annum) are getting remission of 2/3rd tuition fee waiver.• Students are availing the different scholarship schemes under NSP.
c)	whether there is any specific initiative to encourage women to pursue careers in fields like science, technology, Engineering, and Mathematics (STEM), if so, the details thereof; and	<p>Yes.</p> <ul style="list-style-type: none">• NIT Meghalaya has conducted a Career Guidance and Counselling session for Girl students at different PM SHRI SCHOOL JAWAHAR NAVODAYA VIDYALAYA in the Meghalaya State.• Organized a Science Camp and conducted a Career Counselling session for the Vigyan Jyoti Scholar (Phase-V) Scheme.• NIT Meghalaya conducted STEM Exposure visits to our campus, with around 400 female students from various parts of Meghalaya's schools.

Saitsohpen Sohra, East Khasi Hills, Meghalaya, India- 793108

सैत्सोपेन सोहरा, पूर्वी खासी हिल्स, मेघालय, भारत- 793108.

वेबसाइट/Website: www.nitm.ac.in



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<p>(d) The manner in which the Ministry is addressing of safety and security in schools to ensure that girls continue their education without fear of harassment or violence?</p>	<p>Safety Measures at NIT Meghalaya:</p> <p>NIT Meghalaya has established a dedicated Security Section to ensure the safety and security of all campus residents, including female students. The institute has engaged the SIS security agency, a leader in the security sector, to manage security across the campus and hostels. The Security Committee (SC) oversees and monitors the functioning of this agency, focusing on various aspects such as:</p> <ul style="list-style-type: none">• Preventing thefts and unauthorized access.• Maintaining campus infrastructure like fencing and street lighting.• Ensuring smooth conduct of events and visits by dignitaries.• Managing and regulating traffic within the campus.• Issuing vehicle passes and conducting security verifications. <p>Additionally, area-wise supervisors are assigned specific responsibilities, including oversight of girls' hostels, to ensure a secure living environment for female students.</p> <p>Through these comprehensive measures, both at the national level by the Ministry of Education and institutionally at NIT Meghalaya, concerted efforts are being made to provide a safe and secure educational environment. These initiatives aim to empower female students to pursue their education confidently, free from the fear of harassment or violence.</p>
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This issues with approval of the Competent Authority.

Thanking you.

(Dr. B. Chakravarty)
Registrar

Copy to;

1. Director's Office, for kind information of the Director, NIT Meghalaya.

Saitsohpen Sohra, East Khasi Hills, Meghalaya, India- 793108

सैत्सोपेन सोहरा, पूर्वी खासी हिल्स, मेघालय, भारत- 793108.

वेबसाइट/Website: www.nitm.ac.in



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Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/ 2692

Dated: 11.03.2025.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- "Lok Sabha Unstarred Question No. 2590 for 17.03.2025 regarding 'Integrate Technology with Education'"

Ref:- Email received from TS-III, dated 11.03.2025.

Sir/ Madam,


Please refer to your email dated 11.03.2025 regarding, "Lok Sabha Unstarred Question No. 2590 for 17.03.2025 regarding 'Integrate Technology with Education'".

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	the number of schools and colleges that have digital classrooms across the country following the initiative of the Government to integrate technology with education;	NIT Meghalaya has digital classrooms facilities.
b)	whether the Government has any data regarding the availability of digital education devices (mobile phones, tablets, laptops, etc.) with school children on national level and if so, the details thereof;	NA
c)	whether the Government has any plan to provide digital devices to those students who don't have such devices towards the aim of the Government to provide broadband connectivity for rural schools and if so, the details thereof; and	NA
d)	whether the Government tracks the percentage of improvement in student performance and vocational training enrolments as a result of these digital initiatives under the National Education Policy (NEP) and if so, the details thereof and if not, the reasons therefor?	The Institute tracks the academic performance of the student and shares the same with the faculty advisors and HoDs for further needful action if any is required.

This issues with approval of the Competent Authority.

Thanking you.


(Dr. B. Chakravarty)
Registrar

Copy to:

1. Director's Office, for kind information of the Director, NIT Meghalaya.



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Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/2691

Dated: 11.03.2025

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- Urgent: Inputs on Lok Sabha Provisionally Admitted Starred Parliament Question Diary No. S8301 due for answer on 19.03.2025 regarding "Development of Research and Professional Programme"

Ref:- Email received from TS-III, dated 10.03.2025.

Sir/ Madam,


Please refer to your email dated 10.03.2025 regarding, **Urgent: Inputs on Lok Sabha Provisionally Admitted Starred Parliament Question Diary No. S8301 due for answer on 19.03.2025 regarding "Development of Research and Professional Programme"**.

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	whether it is a fact that Government has taken up initiatives for developing an inclusive society and empower different strata of the society through S&T interventions?	NA
b)	if so, the details thereof;	NA
c)	the steps taken by Government to develop research and professional programs for marginalized and backward classes, in order to provide them with high levels of education and skilled employment possibilities; and	Yes
d)	if so, the details thereof?	Annexure-I

This issues with approval of the Competent Authority.

Thanking you.


(Dr. B. Chakravarty)
Registrar

Copy to:

1. Director's Office, for kind information of the Director, NIT Meghalaya.



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Annexure-I

NIT Meghalaya has taken several initiatives to develop research and professional programs aimed at supporting marginalized and backward classes, ensuring high-quality education and enhancing their skilled employment opportunities. Some key steps include:

- Provision of scholarships, fee waivers, and financial aid under schemes like National Fellowship for SC/ST students, MCM Scholarships, and State Government Scholarships.
- Introduction of skill-based certificate and diploma courses in collaboration with MSME, NSDC, and industry partners.
- Conducting technical training workshops, coding bootcamps, and hands-on industrial programs to enhance employability.
- Encouraging participation in AICTE-approved training programs and internships.
- Dedicated research grants for students from marginalized backgrounds under schemes like Prime Minister's Research Fellowship (PMRF) and UGC/AICTE-STEM programs.
- Establishing research incubators in emerging areas like AI, renewable energy, and IoT, offering opportunities to underprivileged students.
- Provision of free access to digital learning resources like NPTEL, SWAYAM, and e-Libraries.
- Setting up ICT-enabled smart classrooms and virtual labs for remote learning support.
- Conducting remedial coaching and bridge courses for students from disadvantaged backgrounds.
- Establishment of mentorship and industry networking programs to connect students with potential employers.

These initiatives ensure that students from marginalized and backward communities receive quality education, research exposure, and employment opportunities, helping them contribute meaningfully to society.



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Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/2660

Dated: 6.03.2025.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- “Lok Sabha Unstarred Question No.1613 to be answered on 10.03.2025 regarding Introduction of dedicated Portal for Redressal of Student's Grievances” - regarding.

Ref:- Email received from TS-III, dated 05.03.2025.

Sir/ Madam,

Please refer to your email dated 05.03.2025 regarding, “Lok Sabha Unstarred Question No.1613 to be answered on 10.03.2025 regarding Introduction of dedicated Portal for Redressal of Student's Grievances- reg.”.

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	Whether the Government has observed that higher educational Institutions are collecting student's certificates during admission and withholding them due to non-clearance of arrears of fees;	No, the Institute does not collect original certificates. Only self-attested photocopies are collected for Institute record.
b)	If so, the details thereof including steps taken by the Government to prevent such kind of activities by the Institutions;	NA
c)	Whether the Government has any plans to introduce a dedicated portal for registering complaints against such higher educational Institutions: and	NA
d)	If so, the details thereof?	NA

This issues with approval of the Competent Authority.
Thanking you.

(Dr. B. Chakravarty)
Registrar

Copy to:

1. Director's Office, for kind information of the Director, NIT Meghalaya.



9/c

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Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/2659

Dated: 6.03.2025

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- “Provisionally Admitted Rajya Sabha Starred Question Diary No. 1367 to be answered on 12/03/2025 regarding "Mentorship and Collaboration Between Established and Newly Formed Institutions” - regarding.

Ref:- Email received from TS-III, dated 05.03.2025.

Sir/ Madam,

Please refer to your email dated 05.03.2025 regarding, “Provisionally Admitted Rajya Sabha Starred Question Diary No. 1367 to be answered on 12/03/2025 regarding "Mentorship and Collaboration Between Established and Newly Formed Institutions- reg.”.

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	whether Government has initiated mentorship programs for older to guide newer IITs/NITs/IISERs, and if so, the details;	<ul style="list-style-type: none">NIT Meghalaya despite being a new Institute provides mentorship to other Institute or colleges in the state.
b)	whether reputed Central Universities are encouraged to mentor newly established Central/State Universities;	<ul style="list-style-type: none">Various MoUs have been signed between Higher Education Institutes.
c)	the steps taken to foster knowledge sharing, resource pooling, and collaborative projects among these institutions?	<ul style="list-style-type: none">Student exchange programmes are implemented with IITs.Research collaboration with different IITs/NITs.Joint guidance is provided to the students and scholars.

This issues with approval of the Competent Authority.
Thanking you.


(Dr. B. Chakravarty)
Registrar

Copy to:

1. Director's Office, for kind information of the Director, NIT Meghalaya.



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Ref. No. NITMGH/ES/PARL.QUES/VOL.V/2024-25/2651

Dated: 5.03.2025.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

25

Sub:- “Provisionally Admitted Question in the Rajya Sabha (Starred Diary No. 3388) - regarding.


Ref:- Email received from TS-III, dated 05.03.2025.

Sir/ Madam,

Please refer to your email dated 05.03.2025 regarding, “Provisionally Admitted Question in the Rajya Sabha (Starred Diary No. 3388)”.

In this connection, the reply in respect of NIT Meghalaya is placed as Annexure I.

This issues with approval of the Competent Authority.
Thanking you.


(Dr. B. Chakravarty)
Registrar

Copy to:

1. Director's Office, for kind information of the Director, NIT Meghalaya.

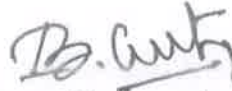


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ANNEXURE I

Sl.no	Query	NIT Meghalaya reply
a)	Whether Government is planning to collaborate between multiple Universities and Higher Education Centers of North East with the rest of the country, and	<ul style="list-style-type: none">• NIT Meghalaya has collaboration with other Institutes like NITs, IITs, IIMs and Universities for student exchange, research collaboration and for higher studies opportunity for the students.• NIT Meghalaya also has collaborated International Universities like TU Hamburg, PTB Germany and TU Ilmanau Germany
b)	If so, how is Government helping its Researchers from Central Universities, NIT etc. from North East to commercialize its Research findings like other parts of the country.	<ul style="list-style-type: none">• NIT Meghalaya has been receiving funding for research, joint collaboration, patents etc.• Recently NIT Meghalaya joins network of AI Centers of Excellence along with different IITs & IISc Bangalore.• NIT Meghalaya also joined the pair project funded by ANRF.• NIT Meghalaya received fund for improvement of S&T Infrastructure under Department of Science & Technology, Government of India.


(Dr. B. Chakravarty)
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251

Ref. No. NITMGH/ES/PARL.QUES/PT/Vol.II//2024-25/ 2152

Dated: 11.12.2024.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- “Inputs regarding Lok Sabha Starred Question Diary No. 9110 for 16.12.2024 regarding ‘Assistance for SCs & EWS Students for Education’” - regarding.

Ref:- Email received from TS-III, dated 11.12.2024.

Sir/ Madam,

Please refer to your email dated 11.12.2024 regarding, **“Inputs regarding Lok Sabha Starred Question Diary No. 9110 for 16.12.2024 regarding ‘Assistance for SCs & EWS Students for Education’”.**

In this connection, the reply in respect of NIT Meghalaya is placed as Annexure I.

This issues with approval of the Competent Authority.

Thanking you.


(Dr. B. Chakravarty)
Registrar

Copy to:

1. Director's Office, for kind information of the Director, NIT Meghalaya.



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ANNEXURE I

Inputs regarding Lok Sabha Starred Question Diary No. 9110 for 16.12.2024 regarding 'Assistance for SCs & EWS Students for Education'

- a. The details of the steps taken/ being taken by the Union Government to provide assistance for education and welfare of students belonging to Scheduled Castes and economically weaker section along with outcome thereof ;

Ans: In order to provide assistance for education and welfare of students belonging to Scheduled Castes and economically weaker section, the Institute takes up the following measures:

- We encourage students to apply for scholarships and other forms of financial assistance to help alleviate their financial burdens. We bring many scholarship schemes for the students. Additionally, we arrange bank loans at the start of their academic sessions.
- Special exams and summer terms are arranged for weak students. We also provide extra 2 years for clearing their degrees. We arrange extra classes on Saturdays whenever required.
- For mental and psychological concerns, we refer students to our counselor for counseling to help relieve their burdens.

- b. The details of challenges being faced by the Government in providing comprehensive educational assistance to students particularly in students belonging to economically weaker sections in the country especially Baliya Parliamentary Constituency along with opportunities thereof;

Ans: Not Applicable

- c. The schemes proposed to be launched by the Government for the overall development of student in the country particularly in students belonging to economically weaker section of the society especially in Uttar Pradesh; and

Ans: Not Applicable

- d. If so, the details thereof?

Ans: Not Applicable

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Registrar



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9c

239

Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/2673

Dated: 6.12.2024.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- “R. S. U. S. Q. No. 1775 for 11.12.2024 regarding Delay in results under PwD (General) Categories.” - regarding.

Ref:- Email received from TS-III, dated 06.12.2024.

Sir/ Madam,

Please refer to your email dated 27.11.2024 regarding, “R. S. U. S. Q. No. 1775 for 11.12.2024 regarding Delay in results under PwD (General) Categories - reg.”.

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	Whether results for any positions under PwD (General) categories have been pending for over a year in the Ministry of Education (MoE) funded institutions, if so, the details thereof	Not applicable to NIT Meghalaya
b)	Whether any specific grievances have been raised by PwD (General) candidates regarding delays in recruitment results in these institutions, if so, the details thereof;	
c)	Whether any institutions have been penalized for failing to comply with timelines for publishing recruitment results, if so, the details thereof;	
d)	If not, the reasons therefor; and	
e)	The steps taken by the Ministry to address such delays in the institutions?	

This issues with approval of the Competent Authority.

Thanking you.

(Dr. B. Chakravarty)
Registrar

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Ref. No. NITMGH/ES/PARL.QUES/PT/ Vol.II/2024-25/ 2148

Dated: 11.12.2024.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001.

**Sub:- “Rajya Sabha Admitted Question Dy. No.U4609 for answer on 20.12.2024 on
"Areas/Sectors where Artificial Intelligence (AI) technology"” - regarding.**

Ref:- Email received from TS-III, dated 10.12.2024.

Sir/ Madam,

Please refer to your email dated 10.12.2024 regarding, “Rajya Sabha Admitted Question Dy. No.U4609 for answer on 20.12.2024 on "Areas/Sectors where Artificial Intelligence (AI) technology"”.

In this connection, the reply in respect of NIT Meghalaya is placed as Annexure I.

This issues with approval of the Competent Authority.

Thanking you.

(Dr. B. Chakravarty)
Registrar

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ANNEXURE I

Sl.no	Query	NIT Meghalaya reply
a)	The details of areas/sectors where Artificial Intelligence (AI) technology is deployed as of now;	Artificial Intelligence (AI) has been deployed across various sectors, with significant advancements in healthcare, agriculture, and cultural heritage preservation. disease prediction, classification, and detection enabling early diagnosis and intervention for conditions like cancer. In agriculture, AI helps predict and manage diseases in crops, such as mushroom disease prediction, by analyzing environmental conditions and plant health, which helps optimize crop yield and reduce losses. AI is also playing a crucial role in cultural heritage preservation by applying machine learning and computer vision techniques to restore, analyze, and digitize ancient artifacts, artworks, and historical sites, ensuring their conservation for future generations.
b)	The details of areas where AI technology is intended to be deployed in future;	In the future, AI is expected to play a transformative role in cybersecurity and quantum computing. In cybersecurity, AI will enhance threat detection and prevention by analyzing vast amounts of data to identify patterns and anomalies indicative of cyberattacks. In quantum computing, AI is poised to optimize quantum algorithms, enhance error correction, and accelerate breakthroughs in areas like cryptography.
c)	How much amount is provided for deployment of AI technology and how much for safety and regulation of the AI during last three years; and	Approximately ₹20 lakhs have been allocated for the deployment of AI technology and ensuring the safety and regulation of AI over the last three years.

B. C. Maiti




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Sl.no	Query	NIT Meghalaya reply
d)	In brief India's AI Mission, its action plan and its implementation details?	<p>At NIT Meghalaya. We aimed at focusing on India's AI mission by establishing the country as a global hub for artificial intelligence innovation and application. The government is spearheading this mission through initiatives under NITI Aayog and other collaborations. The institution is working for Indian AI mission as below:</p> <ul style="list-style-type: none">• Dataset Preparation:<ul style="list-style-type: none">i. We are preparing data set for lower back pain related with AIIMS Raibareli, UPii. We are preparing the heritage data set for Meghalaya region under project funding from ANRF (previously SERB, India)• India AI Innovation Centre: We have Design and Innovation Centre,• Our Centre "Centre for Innovation, Incubation, and Entrepreneurship" is working for providing support to startups


(Dr. B. Chakravarty)
Registrar



Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/2136

Dated: 10.12.2024. 224

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- “Lok Sabha provisionally Admitted Unstarred Question Dy. No. 8922 for 16.12.2024-” - regarding.

Ref:- Email received from TS-III, dated 10.12.2024.


Sir/ Madam,

Please refer to your email dated 03.12.2024 regarding, “Lok Sabha provisionally Admitted Unstarred Question Dy. No. 8922 for 16.12.2024”.

In this connection, the reply in respect of NIT Meghalaya is placed as Annexure I.

This issues with approval of the Competent Authority.

Thanking you.


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Registrar

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1. Director's Office, for kind information of the Director, NIT Meghalaya.



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ANNEXURE I

Sl.no	Query	NIT Meghalaya reply
a)	Whether any IITs, IISc, IISERs, IIMs, NITS, IESTs, ISI, IIITs, or other Government funded institutions have conducted recruitment for Assistant Professors, Associate Professors, and Professors for Persons with Disabilities (PwD)-General categories as per the Right of Person with Disability(RPwD) Act, 2016, and if so, the details of the applications received and selected candidates;	Yes. But received no such application.
b)	whether any results under PwD-General have been undeclared for over a year, if so, the expected date of declaring results and the reasons for the delay;	NA
c)	whether institutions have submitted roster-wise faculty vacancies under the disability category to the Government;	Institute follows 200 point roster for faculty. This roster doesn't have explicitly vacancies for PWD category. However, if a PWD Candidate is eligible, the vacancy will be reserved for him/her.
d)	the institutions which followed the Government specified qualifications and provide equal opportunity to PwD candidates;	Yes
e)	whether the Government has taken any action to ensure equal opportunities for PwD candidates without age discrimination?	NA

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218 9/12

Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/2107

Dated: 9.12.2024.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- “Rajya Sabha Provisionally Admitted Starred/Unstarred Question Dy No.U3590 for 11.12.2024 regarding Universities / Institutes established and run by the Central Government”reg.

Ref:- Email received from TS-III, dated 05.12.2024.

Sir/ Madam, Rajya Sabha Provisionally Admitted Starred/Unstarred Question Dy No.U3590 for 11.12.2024 regarding Universities / Institutes established and run by the Central Government”.

In this connection, NIT Meghalaya was established in the year 2010, hence this query is not applicable to the NIT Meghalaya, this is for kind information and needful please.

This issues with approval of the Competent Authority.

Thanking you.

(Dr. B. Chakravarty)
Registrar

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Ref. No. NITMGH/ES/PARL.QUES/PT.VOL.II/2024-25/2040

Dated: 3.12.2024.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- “PARLIAMENT MATTER: LSUSQ D.No. 5369 regarding “Increasing of Indian Students Pursuing Higher Studies Abroad” to be answered on 09.12.2024” - regarding.

Ref:- Email received from TS-III, dated 03.12.2024.

Sir/ Madam,

Please refer to your email dated 03.12.2024 regarding, “PARLIAMENT MATTER: LSUSQ D.No. 5369 regarding “Increasing of Indian Students Pursuing Higher Studies Abroad” to be answered on 09.12.2024”.

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	whether there is increase in the number of Indian students pursuing higher studies abroad during the last five years along with the reasons therefor;	NO
b)	if so, the details and the number of students going abroad along with the steps taken by the Government in this regard, year-wise;	NA
c)	whether the Government has taken cognizance of the fact that Indian students are going abroad for better career opportunities, flexible citizenship norms and quality education;	Do not agree
d)	if so, the measures adopted by the Government to address the same;	NA
e)	the policy reforms and measures adopted by the Government in respect of Universities and institutes to revamp higher education in the country and to have a check on the students going abroad; and	<ul style="list-style-type: none">• Provisions of the NEP have been implemented by the Institute, which provides the flexibility to continue the education.• Academic Bank of Credit (ABC) has been implemented to preserve the credits earned by the students with the flexibility of transfer.• Good internship and placement



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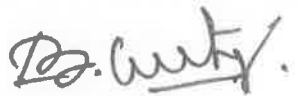
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		<p>opportunities are being offered to the students in various reputed MNCs.</p> <ul style="list-style-type: none">B.Tech students are given the option to continue the M.Tech programme based on the CGPA criteria.
f)	Whether the Government has formulated any special scheme to develop educational and research institutes of international standard in the country?	<ul style="list-style-type: none">CIF (Central Instruments Facility) having the high-tech lab infrastructure is being provided to the students.Various MoU are signed by NIT Meghalaya with IITs, NITs, IIITs and other reputed Institutes with an aim to increase research collaboration and student exchange programme.Institute emphasis on modern research areas like Electric Vehicles, UnderWater Vehicles, Quantum Materials and Semi-Conductor devices and fabrication etc.

This issues with approval of the Competent Authority.

Thanking you.


(Dr. B. Chakravarty)
Registrar

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Ref. No. NITMGH/ES/PARL.QUES/PT.VOL.II/2024-25/2042

Dated: 3.12.2024.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- “Seeking input on Rajya Sabha provisionally admitted Starred /Unstarred Diary No.-- S3107 regarding “Drug addiction among the youth” for answer on 11.12.2024” - regarding.

Ref:- Email received from TS-III, dated 03.12.2024.


Sir/ Madam,

Please refer to your email dated 03.12.2024 regarding, “Seeking input on Rajya Sabha provisionally admitted Starred /Unstarred Diary No.-- S3107 regarding “Drug addiction among the youth” for answer on 11.12.2024”.

In this connection, the reply in respect of NIT Meghalaya is placed as Annexure A.

This issues with approval of the Competent Authority.

Thanking you.


(Dr. B. Chakravarty)
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Law enforcement agencies have been taking various steps to address the growing presence of drugs in educational institutions and public places:

- **Regular inspections:** Schools, colleges, and public areas are frequently monitored by local police forces to detect and deter drug usage. Special anti-drug squads and surveillance units have been set up to prevent drugs from entering educational institutions.
- **Awareness programs:** The government, in collaboration with non-governmental organizations (NGOs) and educational institutions, has initiated programs targeting youth to raise awareness about the harmful effects of drug abuse and the importance of staying away from drugs.
- **Counseling and support:** School and college students who are identified as at-risk are provided with counseling and rehabilitation services to prevent the escalation of drug addiction.
- **Collaboration with educational bodies:** Efforts are underway to partner with educational institutions for regular workshops, seminars, and sensitization programs focusing on the risks associated with substance abuse.

D. How is the government ensuring strict enforcement of the Narcotic Drugs and Psychotropic Substances Act, and what improvements are being made to prevent its misuse?

To ensure strict enforcement of the NDPS Act, the government has taken the following measures:

- **Increased penalties:** The Act has been amended multiple times to impose stricter penalties for drug-related offenses, including for both users and traffickers. This includes longer sentences and heavier fines.
- **Specialized agencies:** Dedicated agencies like the NCB and Anti-Narcotics Task Force (ANTF) work under the supervision of the Ministry of Home Affairs to enforce the NDPS Act.
- **Capacity building:** Regular training and capacity building programs are conducted for law enforcement personnel to enhance their knowledge and skills in detecting and prosecuting drug-related crimes.
- **Technology and surveillance:** Modern surveillance techniques, such as satellite monitoring, electronic tracking, and data analytics, are employed to track the movement of drugs and apprehend traffickers.
- **Preventive measures:** Apart from punitive actions, preventive measures such as public awareness programs, rehabilitation, and the de-addiction process are being strengthened to address drug misuse and reduce demand.

(Dr. B. Chakravarty)
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An Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India

9/c

Ref. No. NITMGH/ES/PARL.QUES/PT.VOL.II/2024-25/ 2037

Dated: 3.12.2024.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- “Provisionally Admitted Rajya Sabha Starred/Unstarred Question Diary No. S691 to be answered on 11/12/2024 regarding " Centre's of Excellence" - regarding.

Ref:- Email received from TS-III, dated 03.12.2024.

Sir/ Madam,

Please refer to your email dated 03.12.2024 regarding, “Provisionally Admitted Rajya Sabha Starred/Unstarred Question Diary No. S691 to be answered on 11/12/2024 regarding " Centre's of Excellence”.

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	the number of Centre's of Excellence established in universities and higher education institutions across the country;	NA . The National Institute of Technology (NIT) Meghalaya is one among the thirty-one NITs in India established under the NIT Act 2007 (Amended 2012) of the Parliament of India as Institutes of National Importance with full funding support from the Ministry of Education (Shiksha Mantralaya), Government of India.
b)	the funds allocated for the development and support of these centers over the last three years;	NIL in respect of NIT Meghalaya. The Ministry does not allocate separate funds for the development and support of Centers of Excellence in NIT Meghalaya.
c)	the criteria for selection of universities to received support for establishing these centers; and	The National Institute of Technology (NIT) Meghalaya is one among the thirty-one NITs in India established under the NIT Act 2007 (Amended 2012) of the Parliament of India as Institutes of National Importance with full funding support from the Ministry of Education (Shiksha Mantralaya), Government of India.
d)	whether the Government seeks to establish additional centers of excellence in emerging areas of research; if so, the details thereof ?	NA

This issues with approval of the Competent Authority,

Thanking you.


(Dr. B. Chakravarty)
Registrar

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1. Director's Office, for kind information of the Director, NIT Meghalaya.



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9/c

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Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/2031

Dated: 3.12.2024.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- “Provisionally admitted Rajya Sabha Starred/Unstarred Question Diary No. S3637 for 11.12.2024 regarding Security in universities-regarding.”

Ref:- Email received from TS-III, dated 02.12.2024.

Sir/ Madam,


Please refer to your email dated 02.12.2024 regarding, “Provisionally admitted Rajya Sabha Starred/Unstarred Question Diary No. S3637 for 11.12.2024 regarding Security in universities-regarding”.

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	Whether CCTV and other security installations are being installed.	Yes, Total 102 CCTV cameras installed in the NIT Meghalaya, Temporary Campus.
b)	Whether women students are provided with hygienic facilities and security in dorms	The hostels for girls are located in the city very near to shopping complexes. So female hygiene items and requirements are readily available. The caretaker and the security personnel of the hostel helps the girl students in procuring these items at odd hours. The hostel rooms, washrooms, and other common spaces are maintained hygienically. Sanitizers are also kept at convenient places in the hostels. The security of the girls are our primary focus. The hostels are manned by lady security officials at all times. The hostels also have CCTV system.
c)	Whether transport facilities to and from campuses are regular, safe and in good condition.	Yes, The Institute has always provided transport facilities to both the students and staff to and from the campus on a regular basis. The Institute has always ensured and monitored that the transport facilities provided are safe and in good condition.
d)	Whether hostel accommodation for male and female students is manned by 24 hour security personnel.	Yes, The security of the students are our primary focus. The hostels are manned by lady and gents security officials at all times for female and male students hostel respectively. The caretaker and the security personnel of the hostel helps the students in procuring these items at odd hours. The hostels also have CCTV system.

This issues with approval of the Competent Authority.

Thanking you.


(Dr. B. Chakravarty)
Registrar

Copy to:

1. Director's Office, for kind information of the Director, NIT Meghalaya.



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राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA

शिक्षा मंत्रालय, भारत सरकार के अधीन एक राष्ट्रीय महत्व का संस्थान

An Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India

Ref. No. NITMGH/ES/PARL.QUES/PT.VOL.II/2024-25/2018

Dated: 2.12.2024.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- “Seeking inputs on Rajya Sabha Unstarred Question No. 1010 to be answered on 04.12.2024 regarding ‘Impact of Closure of educational institutions on girls and women’ ” - regarding.

Ref:- Email received from TS-III, dated 02.12.2024.

Sir/ Madam,


Please refer to your email dated 02.12.2024 regarding, “Seeking inputs on Rajya Sabha Unstarred Question No. 1010 to be answered on 04.12.2024 regarding ‘Impact of Closure of educational institutions on girls and women’ ”.

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	the number and percentage of girls and women that had to leave formal education due to closure of schools and Universities during the COVID-19 pandemic	There was no closure of the Institute during covid 19 pandemic. All programme's classes and exams were conducted through online mode. Also, there was no delay in the programme completion due to Covid.
b)	the number and percentage of women that had to leave formal employment due to closure of schools and Universities during the COVID-19 pandemic, including teachers, administrators and third-party staff;	Nil
c)	the measures taken by the Ministry to reintroduce female students to formal or remote education;	Not applicable.
d)	the impact of the measures and percentage of girls and women that returned to formal; and	Not applicable.
e)	the measures taken by the Ministry to reintroduce former female school employees to formal employment?	Not applicable

This issues with approval of the Competent Authority.

Thanking you,


(Dr. B. Chakravarty)
Registrar

Copy to:

1. Director's Office, for kind information of the Director, NIT Meghalaya.



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राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA
शिक्षा मंत्रालय, भारत सरकार के अधीन एक राष्ट्रीय महत्व का संस्थान
An Institute of National Importance under Ministry of Education (Shiksha Mantralaya), Govt. of India

Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/2005

Dated: 29.11.2024.

To,

Technical Section – III (NITs Desk),
Dept. of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Room No: 435, 'C' Wing
Shastri Bhawan, New Delhi – 110001

Sub:- “Lok Sabha Unstarred Question No.100 to be answered on 02.12.2024 regarding Recruitment of PwD categories”reg.


Ref:- Email received from TS-III, dated 28.11.2024.

Sir/ Madam, Lok Sabha Unstarred Question No.100 to be answered on 02.12.2024 regarding Recruitment of PwD categories reg.”.

In this connection, the reply in respect of NIT Meghalaya in the prescribe format is enclosed as Annexure-I, for kind information and needful please.

This issues with approval of the Competent Authority.

Thanking you.


(Dr. B. Chakravarty)
Registrar

Enclosed: As stated above

Copy to:

1. Director's Office, for kind information of the Director, NIT Meghalaya.

ANNEXURE-I

Faculty

Sl. No.	Name of the NITs	Total number of students (2)	Prescribed Teacher:student ratio (3)	Entilement of total teacher/faculty posts as per prescribed student:teacher ratio (4) = (3)x(2)	Number of teacher/faculty posts sanctioned (5)	Actual in-position teachers/faculty (6)							Vacancy (7)=(5)-(6)				Sub Total	Action plan to fill the vacancies (8)
						UR	SC	ST	OBC	EWS	Total	UR	SC	ST	OBC	EWS	Total	
01	NIT Meghalaya	1093	1:12	91	78	39	7	6	16	0	68	6	0	0	2	2	10	Recruitment for the vacancy is still under process

Non-faculty

Sl No.	Name of the NITs	Total number of students (2)	Prescribed Teacher:student ratio (3)	Entilement of total teacher/faculty posts as per prescribed student:teacher ratio (4) = (3)x(2)	Number of Non-Faculty posts sanctioned (5)	Actual in-position Non-Faculty (6)							Vacancy (7)=(5)-(6)				Sub Total	Action plan to fill the vacancies (8)
						UR	SC	ST	OBC	EWS	Total	UR	SC	ST	OBC	EWS	Total	
01	NIT Meghalaya	1093	1:12	91	86	51	2	16	5	0	74	8	0	4	0	0	12	Recruitment for the vacancy is still under process

Dr. G. G. G.



Ref. No. NITMGH/ES/PARL.QUES/PT/VOL.II/2024-25/2008

Dated: 29.11.2024.

To,

Technical Section – III (NITs Desk),
 Dept. of Higher Education,
 Ministry of Education (Shiksha Mantralaya),
 Room No: 435, 'C' Wing
 Shastri Bhawan, New Delhi – 110001

Sub:- “Rajya Sabha Provisionally Admitted Question Dy. No. U2737 for answer on 06.12.2024 on "AI and Emerging Technologies group"” - regarding.

Ref:- Email received from TS-III, dated 26.11.2024.

Sir/ Madam,

Please refer to your email dated 26.11.2024 regarding, “Rajya Sabha Provisionally Admitted Question Dy. No. U2737 for answer on 06.12.2024 on "AI and Emerging Technologies group”.

In this connection, the reply in respect of NIT Meghalaya is as follows:-

Sl.no	Query	NIT Meghalaya reply
a)	Whether government taking any steps to ensure that AI development in India is aligned with global ethical standards, how is the addressing concerns around bias and discrimination in AI algorithms?	NIT Meghalaya promotes research on AI, ML, Blockchain, IC fabrication & packaging. Institute also float courses on these. Institute has foreign collaboration for making projects.
b)	How is government promoting research and development in emerging technologies like quantum computing, blockchain, augmented reality, what are the potential applications of these technologies in various sectors?	
c)	What initiatives has the government taken to develop AI-powered solutions for social good, such as healthcare, education, environmental sustainability, how is it ensuring that these solutions are accessible to marginalized communities?	

This issues with approval of the Competent Authority.

Thanking you.

(Dr. B. Chakravarty)
 Registrar

Copy to:

1. Director's Office, for kind information of the Director, NIT Meghalaya.