



MINISTRY OF DEVELOPMENT OF  
**NORTH EASTERN** REGION



Prime Minister's  
Development Initiative  
for North East Region  
**(PM-DevINE)**

Project Funded Under PM-DevINE - Digital Design and 3D Printing Center  
of Excellence in the Electronic Manufacturing Cluster (EMC) in collaboration  
with other Government Agencies

### 3DPCoE Finale Hackathon 27- 28, August, 2024 ASSAM ADMINSTRATIVE STAFF COLLEGE, GUWAHATI, ASSAM







**Ideation Hackathons Completed in all 8 states of North East**



**Assam**

IIIT, Guwahati  
07/06/2024



**Arunachal Pradesh**

NERIST, Nirjuli, Itanagar  
11/06/2024



**Meghalaya**

NEHU, Shillong  
13/06/2024



**Manipur**

Manipur Institute of Technology,  
Manipur University,  
Imphal,  
14/06/2024



**Agartala**

Tripura University, Agartala  
17/06/2024



**Nagaland**

Naga Hospital Authority, Kohima  
18/06/2024



**Mizoram**

Software Technology Parks Of India,  
Aizawl  
21/06/2024



**Assam**

Assam University, Silchar  
25/06/2024



**Sikkim**

Software Technology Park of India,  
Tadong, Gangtok,  
11/07/2024





### 3D Spokes Established at 10 Locations Across NER



**Sikkim (Spoke)**  
District Hospital, Gyalshing



**Arunachal Pradesh (Spoke)**  
North Eastern Regional Institute of Science  
and Technology (NERIST), Nirjuli



**Nagaland (Spoke)**  
Naga Hospital Authority, Kohima



**Assam (Spoke)**  
Government Dental College,  
Dibrugarh



**Manipur (Spoke)**  
District Hospital, Senapati







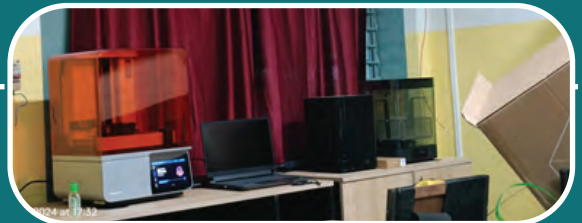
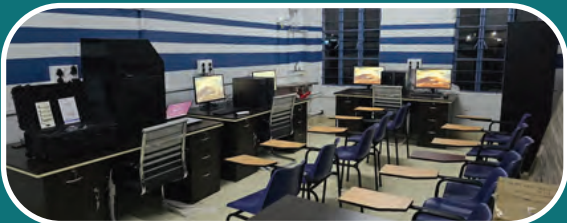
Mizoram (Spoke)  
District Hospital, Serchhip



Meghalaya (Spoke)  
Chokpot CHC Under District Hospital,  
Bagmara, South Garo Hills



Tripura (Spoke)  
Agartala Government Dental College  
& IGM Hospital, Agartala



Manipur (Spoke)  
Manipur Institute of Technology,  
Manipur University, Imphal

Assam (Spoke)  
Assam University, Silcher





Centralized Training of Dental Doctors From Across NER In NERIST (North Eastern Regional Institute of Science and Technology ), Arunachal Pradesh

1-week centralised training at NERIST



3D dental printing trg underway

NIRJULI, 25 Jun: A weeklong 'centralised training programme on 3D printing' for master trainers and dentists, being organised by the North Eastern Regional Institute of Science & Technology (NERIST), in association with Guwahati-based Assam Electronics Development Corporation Ltd, got underway at the NERIST here on Monday.

The programme is designed by "the 3D Printing Centre of Excellence - a pioneering project initiated by PM-DeVINE," the institute informed in a release.

Addressing the inaugural function, NERIST Director Prof Narendranath S

said that "the launch of this lab underscores a major leap forward in the integration of digital technologies in healthcare, aiming to enhance the quality and accessibility of dental treatments for the local population."

The programme, which is being attended by 18 doctors from various government hospitals and colleges from all northeastern states, "stands as the first of its kind in the NE region, promising significant benefits for dental patients in the area," the release said.

"The new digital lab boasts cutting-edge armentariums in dentistry, including intraoral scanners, CAD CAM software, and advanced 3D printing machines. This facility is

equipped to handle comprehensive dental prosthesis tasks, including the creation of complete dentures, heralding a new era of precision and efficiency in dental care for the region," it said.

The programme also includes a dental camp for the residents of nearby areas, to be organised this week, the release added.

The inaugural function was attended also by NERIST Students' Affairs Dean Prof PR Gajurel, and STPI Deputy Director Paragjyoti Baruah.

The inaugural session featured lectures by Dr Hari S Prabhu from Formlabs, Pratim from Imaginarium, and expert trainers from Medit and Exocad, Alam and Viswajuth, it said.



Date: - 24/06/2024 To 30/06/2024







## Inspection of Spokes By NEC

S. No.	Date	Venue
1.	05-07-2024	NERIST, Arunachal Pradesh
2.	08-07-2024	Government Dental College, Dibrugarh
3.	22/07/2024	MIT, Manipur
4.	23/07/2024	Naga Hospital Authority, Kohima
5.	24/07/2024	District Hospital, Senapati, Manipur
6.	25/07/2024	Assam University, Silchar, Assam
7.	26/07/2024	Serchhip, Mizoram
8.	06/08/2024	Gyalshing, Sikkim
9.	08/08/2024	Agartala Government Dental College & IGM Hospital, Agartala
10.	09/08/2024	Chokpot PHC, South Garo Hills, Meghalaya





## Border Roads Organization, Arunachal Pradesh

### AMTRON, UBA Cell NERIST conduct awareness camp on Dental 3D printing, hygiene Students educated on advancements in dental technology

**LEKHLI, Jun 28:** An awareness camp on 3D Printing, Designing and Dental Screening was successfully conducted at Lekhli Govt. Middle School in Lekhli village. The camp was organised by the Assam Electronics Development Corporation Ltd. (AMTRON), Government of Assam, in collaboration with the UBA Bharat Abhiyan (UBA), NERIST Cell. The initiative aimed to promote oral health awareness and provide essential dental care to the local community.

The programme saw the participation of esteemed guests including Dr. T. Patel, UBA Regional Coordinator, Dr. M. Mishra, UBA Coordinator, and Dr. V. Tamot, UBA Member along with Dr. Pyali Das and Dr. Santosh Tamang. The dedicated staff of UBA NERIST showcased their expertise in computer-aided design (CAD) for dental applications.

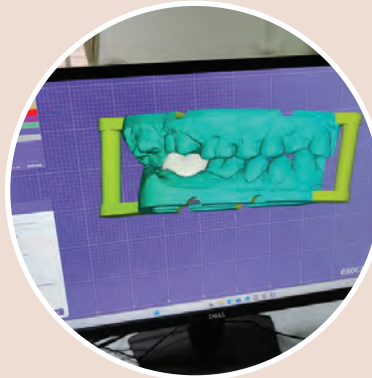
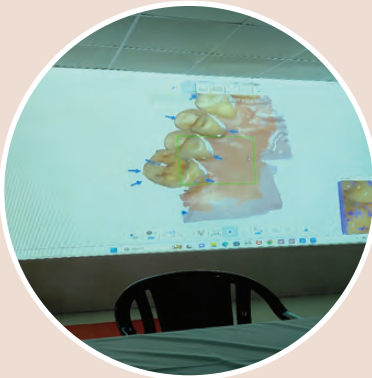
The camp aimed to educate students about the advancements in dental technology, including 3D printing, scanning, and designing. Dr. Shiva and Dr. Pinak Das, a dental specialist, provided valuable insights on proper dental hygiene and the importance of regular check-ups. Dental scanning expert Mr. Alan and 3D printing expert Mr. Nitin of AMTRON demonstrated the latest equipment and techniques used in dentistry. Mr. Shivaji provided technical support, while Mr. Ishkshiyar and Mr. Biswajit showcased their expertise in computer-aided design (CAD) for dental applications.

The screening provided an opportunity for children along with the villagers, to receive free dental check-ups and learn about maintaining good oral hygiene. The programme emphasised the importance of regular dental visits and proper brushing techniques to prevent common dental issues such as cavities and gum diseases.

Dr. T. Patel, in his address, highlighted the significance of oral health in overall well-being and encouraged the community to take advantage of such initiatives. Dr. M. Mishra spoke about the collaborative efforts of AMTRON and UBA NERIST in bringing healthcare services to rural areas, demonstrating their commitment to improving the quality of life for the villagers.

The camp aimed to educate students about the advancements in dental technology, including 3D printing, scanning, and designing. Dr. Shiva, a dental specialist, provided valuable insights on proper dental hygiene and the importance of regular check-ups. This initiative by AMTRON is a commendable effort to raise awareness about dental health and the potential of 3D technology in improving dental care in the North-east region. The event was well-received by the local community, with many expressing their gratitude for the free services and the valuable information provided. The success of this programme underscores the importance of continued efforts in community health and education initiatives.

The collaboration between AMTRON and UBA NERIST reflects a strong commitment to social responsibility and community welfare, ensuring that essential services reach even the most remote areas.





HACKATHON FINALE

**3DPCOE** PM-DeVINE PROJECT: Digital Design and 3D Printing Center of Excellence

**SUGGESTED VERTICALS**

- Healthcare
- Disability Care
- Agriculture Application
- Horticulture & Forestry
- Veterinary
- Oil and Gas
- Mining
- Fashion Accessories
- MSME Prototyping
- Architecture & Design
- Hybrid Furniture Making
- Toys
- Other Emergent Sectors

**3DPCOE HACKATHON**

To unleash the potential of 3D printing technologies to address the Sustainable Development Goals (SDG) 2030 gaps in the Northeast Region (NER) & Promote INDUSTRY 4.0 Entrepreneurship/Enterprises

Venue: Assam Administrative Staff College, Guwahati  
Date: 27- 28 August, 2024

www.3dpcoe.in 3dpcoeener@gmail.com +919717699009

PRIZES WORTH ₹50,00,000 (for each of the 5 categories)

Scan to Register

डॉ. चिंतन वैष्णव  
Dr. Chintan Vaishnav  
मिशन निदेशक  
Mission Director  
Tel. : 011-23096580  
E-mail: chintan.vaishnav@gov.in

भारत सरकार  
नीति आयोग  
अटल इनोवेशन मिशन  
संसद मार्ग, नई दिल्ली-110001  
Government of India  
NITI Aayog  
Atal Innovation Mission  
Sansad Marg, New Delhi-110001

D.O. No. 11017/09/2020-AIM Dated: 24th July, 2024

Dear Shri Narsing Pawar,

This is to state that the Atal Innovation Mission, NITI Aayog gives its consent to organise Hackathon on 3D Printing under PM-DeVINE project - Digital Design and 3D Printing Center of Excellence in the Electronic Manufacturing Cluster (EMC) - for Atal Tinkering Labs (ATLs) under AIM (Atal Innovation Mission) on 27<sup>th</sup> and 28<sup>th</sup> August in Assam Administrative Staff College, Guwahati and AIM shall undertake publicity / coordination with ATLs for maximum participation.



**EasternChronicle**

**Winners of 3DPCOE Hackathon 2024 announced in Guwahati**

GUWAHATI, Aug 29: Bringing accolades to the State, Team Nimisha from North Eastern Regional Institute of Science and Technology (NERIST), Nijuli in Arunachal Pradesh has won the coveted prize of Rs 10 lakh in 3DPCOE Hackathon, a two-day (August 27-28) event organized by AMTRON at the Assam Administrative Staff College in Khanapara, Guwahati.

The event was a 100 per cent centrally-sponsored project by the Ministry of Development of North Eastern Region, Government of India.

**ARUNACHAL FRONT**

**Team Nimisha receives Rs 10 lakh in Category B of the competition**

**NERIST's Team Nimisha wins 3DPCOE Hackathon award in Guwahati**

GUWAHATI, Aug 29: Bringing accolades to the State, Team Nimisha from North Eastern Regional Institute of Science and Technology (NERIST), Nijuli in Arunachal Pradesh has won the coveted prize of Rs 10 lakh in 3DPCOE Hackathon, a two-day (August 27-28) event organized by AMTRON at the Assam Administrative Staff College in Khanapara, Guwahati.

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