



समानो मन्त्रः समितिः समानी



75
Azadi Ka
Amrit Mahotsav



विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY

Hands-on Training Program
on
Various Sophisticated Scientific Instruments and Techniques
Under the STUTI Scheme of DST, Gov. of India

22nd to 28th November, 2022



Organised by:

University of North Bengal

Raja Rammohunpur, Darjeeling, West Bengal

www.nbu.ac.in

A Report on
Hands-on Training Programme on various Sophisticated
Scientific Instruments and Techniques

Conducted under
Synergistic Training Program Utilizing the Scientific and
Technological Infrastructure (STUTI)

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1. Introduction

University of North Bengal (NBU) in association with Shivaji University, Kolhapur organised a week-long hands-on training programme on various sophisticated scientific instruments from 22nd to 28th November, 2022. The said training programme was conducted under the Scheme of Synergistic Training Program Utilizing the Scientific and Technological Infrastructure (STUTI), Department of Science and Technology, Govt. of India. To organise the workshop, NBU received Rs. 8,83,500 from Shivaji University for making necessary expenditures under various budget heads. A total of 44 trainees; 28 from other University/Institutes and 16 Research Scholars from NBU took part in the training program.

About STUTI: The Scheme STUTI is intended to build human resource and its knowledge capacity through open access S&T infrastructure across the country. As a complement to the various schemes of DST funding for expansion of R&D infrastructure at academic institutions, STUTI scheme envisions a hands-on training program and sensitization of the state-of-the-art equipment as well as towards sharing while ensuring transparent access of S&T facilities.

About University of North Bengal: The University of North Bengal was established by an Act of the Legislature of West Bengal in 1962 with the mission “to encourage and provide for instruction for teaching, training and research in various branches of learning and course of study; to promote advancement and dissemination of knowledge study; to promote advancement and dissemination of knowledge and learning and to extend higher education to meet the growing needs of society.”

Since its inception, the University has been fulfilling the objectives of imparting higher education and research to the people of this socio-economically backward area of the country and has shouldered the responsibility of dissemination of knowledge by judicious expansion of its role in advanced, non-conventional, applied and job-oriented fields keeping the quality of education at par with global standards at low cost.

About Shivaji University: Shivaji University, established on 18th November, 1962 has 276 affiliated colleges with 40 post-graduate departments. Recently, accredited with NAAC ‘A++’ grade with CGPA 3.52 in its fourth cycle of reaccreditation 2021. Various science departments of Shivaji University are well equipped with different sophisticated instruments and laboratory

infrastructures procured using funds from various funding agencies. STUTI project is sanctioned by DST, New Delhi to SUK worth Rs. 2.25 crore for organizing training programs on various sophisticated instruments.

2. Participants

The participants for the training program was selected based on the eligibility criteria followed by merit of the applicants in regard to marks, qualification, work experience and publications. A google form prepared and was given wide publicity for inviting application. The window for the application was between 14th October to 7th November, 2022.

A total of 134 applications were received by the deadline, out of these 30 nos. of candidates from outside university were selected by a Selection Committee wherein importance has been given to the woman candidates and candidates from reserved categories. Since, few candidates declined the offer, accordingly, chances were given to the subsequent candidates in the panel. The final list of the participants that had participated the training program are given below –

Sl. No.	Name	Gender	Qualification	Institution
1	Md Rashid	Male	M. Sc.	Aligarh Muslim University, Uttar Pradesh
2	Vijayaraj Radha	Male	Ph. D.	AMET University, Tamil Nadu
3	M.V.P.Sirisha	Female	M. Sc.	Andhra University, Andhra Pradesh
4	Prateem Bishnu	Male	M. Sc.	Bidhan Chandra Krishi Viswavidyalaya, West Bengal
5	Kajol	Female	M. Phil	Ch. Charan Singh University, Uttar Pradesh
6	Rojalin Priyadarshini	Female	M. Sc.	DBT- Institute of Life Sciences, Odisha
7	Jijnasa Barik	Female	Ph. D.	Gangadhar Meher University, Odisha
8	Smruti Lagna Pramanik	Female	M. Sc.	Gautam Buddha University, Odisha
9	Dr. Ravikumar Marotrao Borade	Male	Ph. D.	Government Institute of Forensic Science, Maharashtra
10	Kago Sumpy	Female	M. Sc.	Hemvati Nandan Bahuguna Garhwal University, Uttarakhand
11	Phanikanth Jogam	Male	Ph. D.	Kakatiya University, Telangana
12	Ananya Yasmin	Female	Ph. D.	Kalipada Ghish Tarai Mahavidyalaya, West Bengal

Sl. No.	Name	Gender	Qualification	Institution
13	Ankita Roy	Female	M. Sc.	Maulana Abul Kalam Azad University of Technology, West Bengal
14	Gargi Halder	Female	M. Sc.	Maulana Abul Kalam Azad University of Technology, West Bengal
15	Debashis Dutta	Male	Ph. D.	Mirmadan Mohanlal Government Polytechnic, West Bengal
16	Agam Kumar	Male	M. Sc.	Pondicherry University, Pondichery
17	Aadil Ashraf	Male	M. Sc.	Pondicherry University, Pondichery
18	Debjoy Bhattacharjya	Male	Ph. D.	Raiganj University, West Bengal
19	Sayannita Das	Female	M. Sc.	Raiganj University, West Bengal
20	Prajesh Dutta	Male	M. Sc.	Raiganj University, West Bengal
21	Maitreyee Gope	Female	M. Sc.	Raja N.L Khan Women's College, WB
22	Ayyaraju Middepogu	Male	Ph. D.	Sri Krishnadevaraya University, Andhra Pradesh
23	Pallobi Sarkar	Female	M. Sc.	Surya Sen Mahavidyalaya, West Bengal
24	Indrajit Sarkar	Male	Ph. D.	Uttar Banga Krishi Viswavidyalaya, West Bengal
25	Ujyol Rai	Male	M. Sc.	Uttar Banga Krishi Viswavidyalaya, West Bengal
26	Safal Rai	Male	M. Sc.	Uttar Banga Krishi Viswavidyalaya, West Bengal
27	Ms. Heena Shaikh	Female	M. Sc.	Shivaji University
28	Ss. Sheetal S	Female	M. Sc.	Shivaji University
29	Ms. Trishala Subba	Female	M. Sc.	University of North Bengal
30	Ms. Ankita Roy	Female	M. Sc.	University of North Bengal
31	Mr Subhajit Ghosh	Male	M. Sc.	University of North Bengal
32	Satyajit Sarkar	Male	M. Sc.	University of North Bengal
33	Mr. Akash Srivastav	Male	M. Sc.	University of North Bengal
34	Shri Sumon Dey	Male	M. Sc.	University of North Bengal
35	Ms. Kriti Rai	Female	M. Sc.	University of North Bengal

Sl. No.	Name	Gender	Qualification	Institution
36	Shri Biswajit Paul	Male	M. Sc.	University of North Bengal
37	Ms. Madhurya Roy	Female	M. Sc.	University of North Bengal
38	Mr. Abdush Salam Pramanik	Male	M. Sc.	University of North Bengal
39	Mr. Rohan Nath	Male	M. Sc.	University of North Bengal
40	Shri Ganesh Dey	Male	M. Sc.	University of North Bengal
41	Mr. Prabir Sarkar	Male	M. Sc.	University of North Bengal
42	Ms. Priyanka Das	Female	M. Sc.	University of North Bengal
43	Mr. Debojit Dutta	Male	M. Sc.	University of North Bengal
44	Dr. Goutam Gope	Male	Ph. D.	University of North Bengal

Following photograph shows the location from where participants attended the training program.



3. Instruments

The Hands-on training on sophisticated instruments at NBU covered various sophisticated instruments like Scanning Electron Microscope, Nuclear Magnetic Resonance Spectroscopy, Inverted Microscopy, UV-VIS Spectroscopy, High Performance Thin Layer Chromatography, High Performance Computing, GIS and Surveying Instruments, etc.

The details of the instruments covered and profile of the respective resource persons are given in the attached Instrument Brochure.

4. Programme

The seven days' program was comprised of the following –

- Inaugural Ceremony on 22nd November, 2022
- Theoretical Lectures and Practical Demonstrations from 22nd to 28th November, 2022
- Study Tour on 27th November, 2022
- Valedictory Ceremony on 28th November, 2022
- Cultural Event on 28th November, 2022 evening

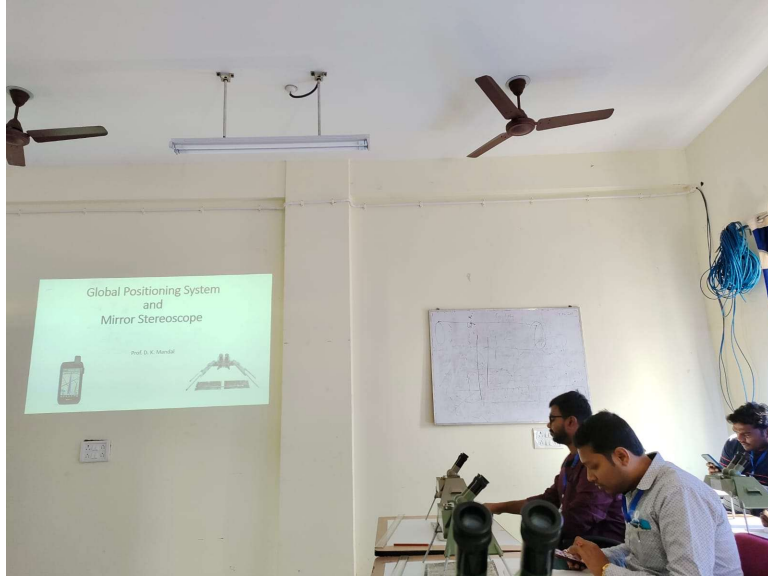
The detailed program schedule is attached herewith.

5. Photographs and Media Coverage

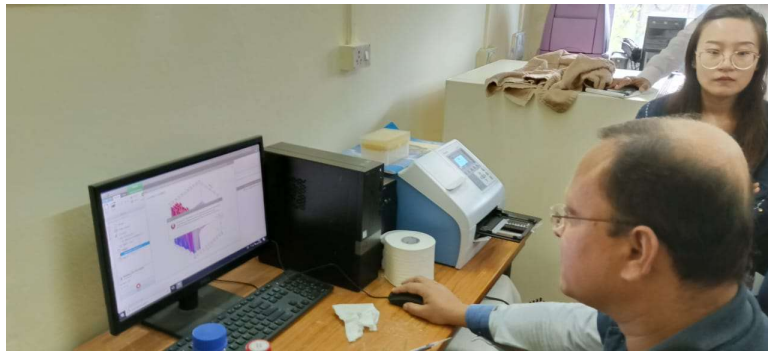














Scholars from across country attend NBU training



STATESMAN NEWS SERVICE
SLIGURI, 28 NOVEMBER

A week-long Synergistic Training Programme, Utilizing the Scientific and Technological Infrastructure (STUTI) under the Department of Science & Technology concluded at the North Bengal University (NBU) today.

Trainee participants from across the country lauded the holistic and integrated training programme with hands-on demonstrations, a University official said.

"The platform was a great opportunity for them to learn about sophisticated instruments required for research work," the official said. In the valedictory session, Palash Paul, the Development Officer and Coordinator of the STUTI training programme, said

that the event was planned in such a way so as to facilitate the trainees with learning and usage of maximum possible instruments.

According to Professor Subhash Chandra Roy, the Dean of Science, NBU, the university will organise such trainings more frequently in the future. Professor Pranab Ghosh, Registrar (Officiating), NBU, spoke about the programme and said that it was an excellent platform for scholars from the university and other renowned universities across the country, where they all exchanged ideas for research.

A cultural event was also organised by the university to showcase the local culture among the trainee participants coming from every corner of the country, it is learnt.



‘स्तुति’ कार्यक्रमातून कुशल मुनष्य निर्मितीस मदत होईल : प्रा. चक्रबोर्ती

कोल्हापूर : पुढारी वृत्तसेवा

भारत सरकारच्या विज्ञान व तंत्रज्ञान विभागाने ‘स्तुति’ कार्यक्रम घेण्याचे उच्चललेले पाऊल योग्य आहे. यातून कुशल मुनष्य निर्मितीस मदत होईल, असे मत आय. आय. टी. खरगपूरचे प्रा. पार्थसारथी चक्रबोर्ती यांनी व्यक्त केले.

भारत सरकारचे विज्ञान व तंत्रज्ञान मंत्रालय प्रायोजित, शिवाजी विद्यापीठ व नॉर्थ बॅंगाल विद्यापीठ, दार्जीलिंग यांच्या संयुक्त विद्यमाने ‘स्तुति’ २२ ते २८ नोव्हेंबर दरम्यान कार्यशाळा उद्घाटनप्रसंगी ते बोलत होते. नॉर्थ बॅंगाल विद्यापीठ, दार्जीलिंग येथे सुरू झालेल्या ‘स्तुति’ कार्यक्रमाच्या उद्घाटन समारंभाच्या प्रसंगी ‘स्तुति’ पीएमयू समन्वयक शिवाजी

विद्यापीठाचे प्रा. आर. जी. सोनकवडे, नॉर्थ बॅंगाल विद्यापीठाचे कुलगुरू, प्रा. ओम प्रकाश मिश्रा, प्रा. सुभाष रॉय, डॉ. पलश पॉल आदी उपस्थित होते.

नॉर्थ बॅंगाल विद्यापीठाचे कुलगुरू प्रा. ओम प्रकाश मिश्रा म्हणाले, अशा प्रकारच्या प्रशिक्षण कार्यक्रमाचा पुरेपूर उपयोग प्राध्यापक, संशोधक आणि उद्योग क्षेत्रातील व्यक्तींनी केला पाहिजे.

कार्यक्रमात विद्यापीठातील व संलग्न महाविद्यालयातील त्याचबरोबर देशभरातील जवळपास १२ राज्यांमधून ८० संशोधक, शिक्षक, विद्यार्थी उपस्थित होते. स्थानिक समन्वयक पलश पॉल यांनी आभार मानले.