

Programme Report

Thirteenth Faculty Induction Program (FIP-13)

Conducted by

Human Resource Development Centre

University of North Bengal

(26 July 2023 to 25 August 2023)



CONSOLIDATED REPORT

UGC HUMAN RESOURCE DEVELOPMENT CENTRE

UNIVERSITY OF NORTH BENGAL



13th FACULTY INDUCTION PROGRAMME
(FIP-NBU-13)

26.07.2023 – 25.08.2023

SESSION: 2023-2024

**UGC HUMAN RESOURCE DEVELOPMENT CENTRE
UNIVERSITY OF NORTH BENGAL
Group Photograph of Organizers and Participants**



UGC Human Resource Development Centre University of North Bengal
13th Faculty Induction Programme (FIP – NBU - 13)
26th July 2023 – 25th August 2023



Group Photograph of Organizers and Participants



Prof. Rathin Bandyopadhyay,
Vice – Chancellor,
University of North Bengal



Dr. Subhas Chandra Roy, Dean. Faculty of Sc.
University of North Bengal



Dr. Nupur Das, Registrar (Officiating),
University of North Bengal



Dr. Anjan Chakrabarti,
Professor-Director, UGC-HRDC,
University of North Bengal



Dr. Sanjib Bhattacharya
Associate Professor, Joint Coordinator, UGC-HRDC,
University of North Bengal



Dr. Mossaraf Hossain
Assistant Professor, Joint Coordinator, UGC –HRDC,
University of North Bengal

Teacher-Participants



Paromita Das,
Asst. Prof. Education,
University of North
Bengal,
West Bengal



Dr. Barun Roy,
Asst. Prof. Mass
Communication,
University of North
Bengal, West Bengal



Sukhendu Das,
Asst. Prof. English,
Bankura University,
West Bengal



Laxuman Sherpa,
Asst. Prof. Nepali,
Government General
Degree College Pedong,
West Bengal



Pallab Kr. Das,
Asst. Prof. Electronics,
Behala College,
West Bengal



Anupam Mudi,
Asst. Prof. Botany,
Behala College,
West Bengal



Nupur Roy,
Asst. Prof. Mathematics,
Calcutta Girls' College,
West Bengal



Bipul Mandal,
Asst. Prof. Bengali,
City College,
West Bengal



Karishma Oraon,
Asst. Prof. English,
University B.T & Evening
College, West Bengal



Dr. Sagata Mondal,
Asst. Prof. Zoology,
Vidyasagar College,
West Bengal



Dr. Debi Prasad Datta,
Asst. Prof. Physics,
Sripat Singh College,
West Bengal



Rahul Panda,
Asst. Prof. Bengali,
Balurghat Mahila
Mahavidyalaya,
West Bengal



Dr. Prabuddha Bhattacharya,
Asst. Prof. Chemistry,
Mrinalini Datta
Mahavidyapith, West Bengal



Kaushiki Banerjee,
Asst. Prof. Economics,
Borasat Government College,
West Bengal



Rabindra Mani Pradhan
Asst. Prof. Pol. Science,
Shyampur Siddheswari
Mahavidyalaya,
West Bengal



Md. Wasim Reja,
Asst. Prof. Pol. Science,
Vidyasagar College,
West Bengal



Payel Ghosh,
Asst. Prof. English,
Falakata College,
West Bengal



Arup Ghosh,
Asst. Prof. Pol. Science,
Balurghat Mahila
Mahavidyalaya,
West Bengal



Tarun Sarkar,
Asst. Prof. Philosophy,
Egra Sarada-Shashi
Bhusan College,
West Bengal



Koushik Chakraborty,
Asst. Prof. History,
Government General
Degree College Kalna-I,
West Bengal



Satyajit Tudu,
Asst. Prof. Bengali,
Chandraketugarh Sahidullah
Smriti Mahavidyalaya,
West Bengal



Ujjal Orav,
Asst. Prof. Bengali
Lalaba College,
West Bengal



Ashalata Hembram,
Asst. Prof. Food
& Nutrition,
Sukanta College,
West Bengal



Kausar Ansari,
Asst. Prof. History,
Government General
Degree College Pedong,
West Bengal



Shishir Tamang,
Asst. Prof. Zoology,
Darjeeling Government
College, West Bengal



Mamata Barua,
Asst. Prof. Chemistry,
Mrinalini Datta
Mahavidyapith,
West Bengal



Abdul Basir,
Asst. Prof. History,
Kazi Nazrul Islam
Mahavidyalaya,
West Bengal



Dr. Madumita Das,
Asst. Prof. Philosophy,
Pub Bongor College,
Assam








Narayan Chandra Baishya,
Asst. Prof. Assamese,
Pub Bongor College,
Assam

UGC HUMAN RESOURCE DEVELOPMENT CENTRE
UNIVERSITY OF NORTH BENGAL
Data Base of Teacher
Participants

DATABASE OF THE 13th FACULTY INDUCTION PROGRAM PARTICIPANTS CONDUCTED BY HRDC NBU

26.07.2023 – 25.08.2023

Roll No.	NAME	DESIGNATION	EMAIL ID	CONTACT NO.	Subject	NAME OF INSTITUTION	ADDRESS OF INSTITUTION	RESIDENTIAL ADDRESS	STATE	PHOTO
1	PAROMITA DAS	Assistant Professor	paromitadasnbu@gmail.com	7478580368	Education	University of North Bengal	Raja Rammohunpur, Post Office: North Bengal University, District: Darjeeling, PIN: 734013, State: West Bengal.	Opposite University of North Bengal, Gate No. 2, Post Office : North Bengal University, District: Darjeeling, PIN: 734013, State: West Bengal	West Bengal	
2	DR. BARUN ROY	Assistant Professor	barunroy@nbu.ac.in	9064896097 / 9476154718	Mass Communication	University of North Bengal	University of North Bengal, Raja Rammohunpur, District Darjeeling	Quarter No. W281, Professors Enclave, University of North Bengal, Raja Rammohunpur, District Darjeeling	West Bengal	
3	SUKHENDU DAS	Assistant Professor	sukhendujimm@gmail.com	9832850405	English	Bankura University	Department of English Bankura University Purandarpur Bankura, 722155	Block: 3C Dr. Sarvepalli Radhakrishnan Nivas Bankura University Purandarpur Bankura, 722155	West Bengal	
4	LAXUMAN SHERPA	Assistant Sherpa	laxmansh17@gmail.com	7908291662	Nepali	Govt. General Degree College at Pedong	Govt. General Degree College at Pedong	Kumai Tea Garden, PO. Kumai, Via Mettel, Dist. Kalimpong, West Bengal, Pin 735223	West Bengal	
5	PALLAB KUMAR DAS	Assistant Professor	pallab.das86@gmail.com	8240873764	Electronics	Behala College	Behala College, Banamali Naskar Road, Parnashree, Kolkata700060	1374, Garia Srinagar Main Road, Kolkata700094	West Bengal	

6	ANUPAM MUDI	Assistant Professor	panm67sm@gmail.com	8637060257	Botany	Behala College	Parnashree, Behala, Kolkata 60	Vill- Manoharchak, PO+PS- Contai, Dist- Purba Medinipur, Pin- 721401	West Bengal	
7	NUPUR ROY	Assistant Professor	roynupurapppnath@gmail.com	8296623972	Mathematics	Calcutta Girls' College	3, Goaluli Lane Kolkata -700013	Barasat Modhyakalikapur Bidhan Market Near Sourav Bhandar Dist-24 PGS North Pin-700124	West Bengal	
8	BIPUL MANDAL	Assistant Professor	bipulmandal2602@gmail.com	9734347325	Bengali	City College	Raja Rammohan Sarani College street kal-700009	Baruipur Bisalaxmitala Math.p.o+p.s.-Baruipur. Ward no-16.kol-144	West Bengal	
9	KARISHMA ORAON	Assistant Professor	karishmawb1@gmail.com	8371073051	English	University B.T & Evening College	Gunjabari, Cooch Behar, 736101	Vill- Dakshin Chengmari, PO- Hemaguri, PS- Kumargram, Dist.- Alipurduar, Pin- 736203	West Bengal	
10	DR. SAGATA MONDAL	Assistant Professor	sagatamondal086@gmail.com	9477441723	Zoology	Vidyasagar College	39, Sankar Ghosh Lane, Kolkata 0 700006	8/9 H, Prabhuram Sarkar Lane, Kolkata 700015	West Bengal	
11	DEBI PRASAD DATTA	Assistant Professor	debipr@gmail.com	9692712534	Physics	Sripat Singh College	Jiaganj, Murshidabad, West Bengal 742123	Suvenir Enclave, Flat GR B, Building I, 8/1 Jessore Road, Kolkata 700028	West Bengal	

12	RAHUL PANDA	Assistant Professor	rahulpanda213@gmail.com	7001855226	Bengali	Balughat Mahila Mahavidyalaya	Balughat, Dakshin Dinajpur, 733101	Atryee Apartment, Shibtali, Balughat, Dakshin Dinajpur, 733101	West Bengal	
13	DR. PRABUDDHA BHATTACHARYA	Assistant Professor, Head of the Department	b.prabuddha3@gmail.com	8902043784	Chemistry	Mrinalini Datta Mahavidyapith	Birati, Kolkata-700051	95/1, Sri Ram Dhang Road, Saikia, Howrah - 711106	West Bengal	
14	KAUSHIKI BANERJEE	Assistant Professor	kaushikibanerjee135@gmail.com	9874435800	Economics	Barasat Government College	10 K.N.C. Road, Barasat, North 24 Parganas, West Bengal. Pin 700124	3rd Floor, NABAMI APARTMENT, 135, Santoshpur Avenue, Kolkata 700075	West Bengal	
15	RABINDRA MANI PRADHAN	Assistant Professor	rabindamani_pradhan@yahoo.com	9749645550	Political Science	Shyampur Siddheswari Mahavidyalaya	Ajyodha, Howrah	Sinchiel Road, Jorebunglow, PO Ghoom, Dist. Darjeeling, GTA. - 734102	West Bengal	
16	MD WASIM REJA	Assistant Professor	rejawasim1@gmail.com	9734137321	Political Science	Vidyasagar College Kolkata	Sankar Lane 39, Kolkata	Village+P.O - Jagannathpur, P.S Harishchandrapur, Dist Malda. Pin Code 732125	West Bengal	
17	PAYEL GHOSH	Assistant Professor	payelghosh191@gmail.com	9830503029	English	Falakata College	Falakata, Dist: Alipurduar	32A/38, South Sinthee Road, Kol 700050	West Bengal	
18	ARUP GHOSH	Assistant Professor	arupnbu@gmail.com	9641033935	Political Science	Balughat Mahila Mahavidyalaya	Balughat Mahila Mahavidyalaya, Balughat, Dakshin Dinajpur, Pin- 733101	Arup Ghosh North Chakbhavani, Opposite Bishu Doctor's House Balughat, Dakshin Dinajpur. Pin- 733101	West Bengal	
19	TARUN SARKAR	Assistant Professor	sarkartarun0309@gmail.com	8327699225	Philosophy	Egra Sarada-Shashi Bhusan College	P.O.+P.S.- Egra, Dist.- Purba Medinipur, PIN:- 721429	Vill.- Purba Daukimari, P.O.- Daukimari, P.S.- Dhupguri, Dist.- Jalpaiguri, PIN:- 735210, West Bengal	West Bengal	
20	KOUSHIK CHAKRABORTY	Assistant Professor	kc.hist90@gmail.com	7797616965	History	Government General Degree College Kalna-I	Purba Bardhaman	Badshahi Road, Kalamtala Sharmapara, Behind Hindi Primary School	West Bengal	
21	SATYAJIT TUDU	Assistant Professor	satyajittudu191@gmail.com	7797761639	Bengali	Chandraketugarh Sahidullah Smriti Mahavidyalaya	Berachamp. Noth 24 pargana .WB	Vil- Dighara, P.O- Balidewanganj, P.S- Goght, Hooghly, Pin- 712616	West Bengal	
22	UJJAL ORAW	Assistant Professor	ujjaloraw91@gmail.com	9064562882	Bengali	Lalbaba College	Belur Math, G. T. Road, Howrah, West Bengal, 711202	Bally, Goswamipara road, 711201	West Bengal	
23	ASHALATA HEMBRAM	Assistant Professor	ashahembram6789@gmail.com	9641512639	Food and Nutrition	Sukanta College	Bhangankhali, Basanti Dist.- 24th Paraganas (S) Pin: 743329	Khudiram Sarani, C/O- Manilal Hembram P.O- Kenduadihi Dist - Bankura Pin: 722102	West Bengal	

24	KAUSAR ANSARI	Assistant Professor	mr.kausaransari@gmail.com	9609968386	History	Government General Degree College, Pedong	P.O. Pedong, Kalimpong District	Kalchini Masjid Line, P.O. Kalchini Alipurduar, 735217	West Bengal	
25	SHISHIR TAMANG	Assistant Professor	shritamang7@gmail.com	8777529640	Zoology	Darjeeling Government College	Darjeeling Government college, Lebung Cart Road, P.O Singamari ,Darjeeling 734101	Ging Tea Estate, P.O Lebung, Hanumandara, Dist: Darjeeling, West Bengal 734105	West Bengal	
26	MAMATA BARUA	Assistant Professor	baruamamata@gmail.com	9123982362	Chemistry	Mrinalini Datta Mahavidyapith	Vidyapith Road, Birati, Kolkata -51	208, Sarat Bose road, Subhas Nagar, Dum Dum Cantonment, South 24 Parganas, Kolkata - 63	West Bengal	
27	ABDUL BASIR	Assistant Professor	a.basir84basir@gmail.com	9734078540	History	Kazi Nazrul islam Mahavidyalaya	Village and P.O. Churulia, P/S. Jamuria. Dist: Pashchim Barddhaman (W.B) Pin No-713334	Village and P.O. Churulia, P/S. Jamuria. Dist: Pashchim Barddhaman (W.B) Pin No-713334	West Bengal	
28	Dr MADHUMITA DAS	Assistant Professor	cmadhumita526@gmail.com	6001988835	Philosophy	Pub Bongsor College	Pub Bongsor College, Pacharia Kamrup Assam Pin-781104	Maligaon Gate No- 1 Kamrup Assam Pin-781011	Assam	
29	NARAYAN CHANDRA BAISHYA	Assistant Professor	nbaishya964@gmail.com	9859251069	Arts	Pub Bongsor College	Pub Bongsor College, Pacharia Kamrup Assam Pin-781104	Sualkuchi, Kamrup, Assam	Assam	

**UGC HUMAN RESOURCE DEVELOPMENT CENTRE
UNIVERSITY OF NORTH BENGAL
SCHEDULE FOR 13th FACULTY INDUCTION PROGRAMME (FIP-NBU-13)**

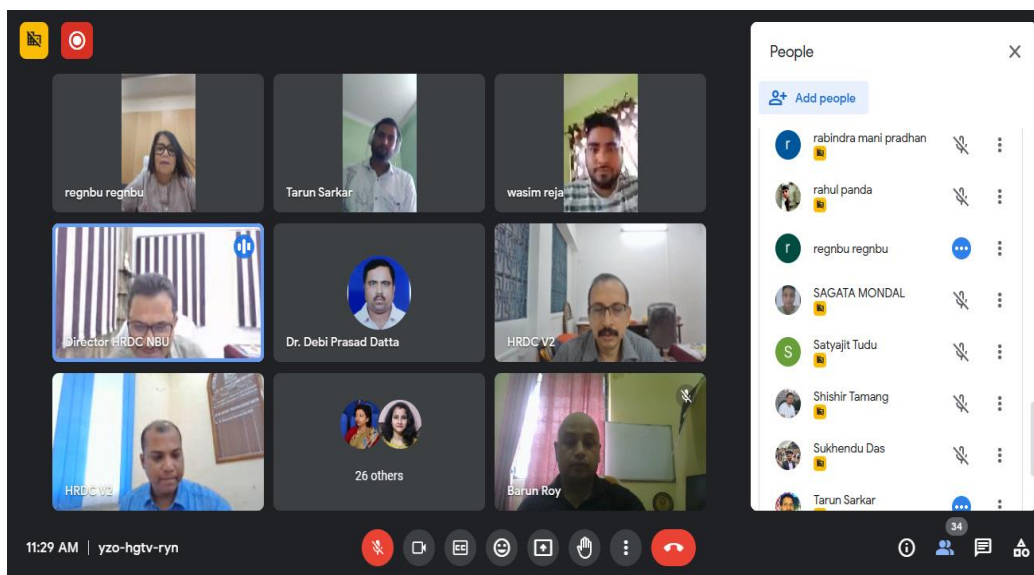
26.07.2023 – 25.08.2023

FIRST WEEK

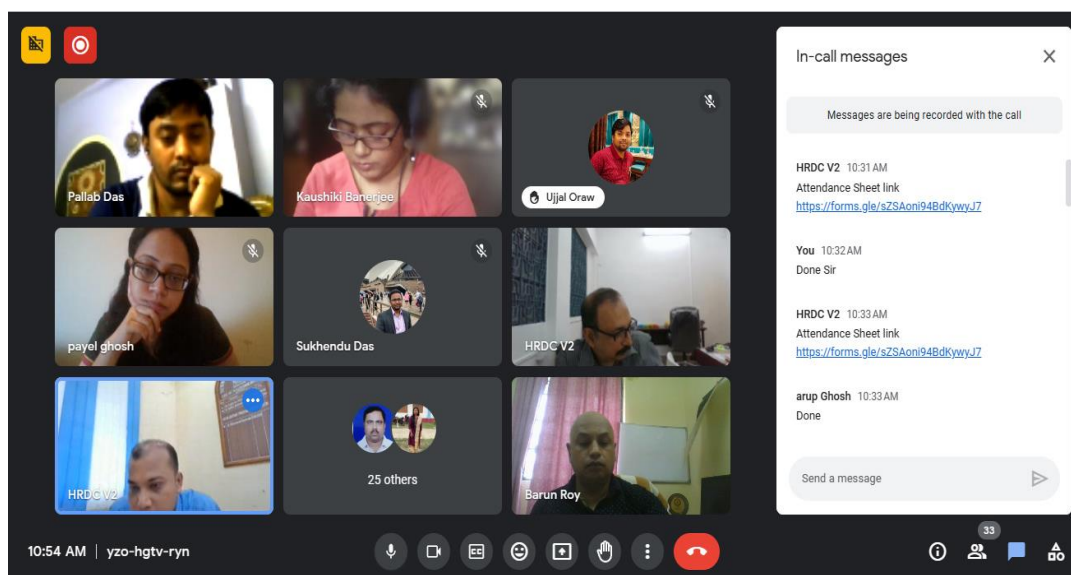
DATE	TIME	Broad Themes	RESOURCE PERSON
26.07.2023 Wednesday	10.30 – 11.30	REGISTRATION & INAUGURATION	
	11.30 – 1.30	Formal inauguration by Hon. Prof. Nupur Das, Registrar, NBU, Hon. Prof. Subhas Roy, Dean Science and Social Sciences, NBU and Hon. Prof. Anjan Chakrabarti, Director, HRDC	
	2.30 – 4.00	A Philosophical Approach to Teaching Learning Process – Morality and Education (HME)	Prof. Raghunath Ghosh Emeritus Professor, NBU
	4.00 – 5.30	Interactive Session with the coordinators of the FIP for briefing purposes towards various modalities of the training programme	Dr. Sanjib Bhattacharya and Dr. Mossaraf Hossain
27.07.2023 Thursday	10.30 – 12.00	Epistemic Pedagogy – The evolution of Universities in India (Holistic & multidisciplinary Education)	Prof. Rakesh Batabyal Jawaharlal Nehru University
	12.00 – 1.30		
	2.30 – 4.00	National Identity and Citizenship issue in South Asia (Holistic & Multidisciplinary Education)	Prof. Rupkumar Barman Dept. of History, JU
	4.00 – 5.30	Relevance of Field Work in Social Science Research on Common People (Holistic & multidisciplinary Education)	Prof. Rupkumar Barman Dept. of History, JU
28.07.2023 Friday	10.30 – 12.00	The difficulty of Being Simple (Holistic & multidisciplinary Education)	Dr. Amitava Mukherjee, Former Senior Advisor, Government of India
	12.00 – 1.30	Feminist Movement – A historical perspective (Holistic & multidisciplinary Education)	Prof. Urmi Basu Kolkata, Social Worker
	2.30 – 4.00	Peace Studies I (Holistic & multidisciplinary Education)	Prof. Samir Das Calcutta University
	4.00 – 5.30	Peace Studies II (Holistic & multidisciplinary Education)	Prof. Samir Das Calcutta University
29.07.2023 Saturday	MUHHARAM / HOLIDAY		
30.07.2023 SUNDAY	SUNDAY / HOLIDAY		
31.07.2023 Monday	10.30 – 12.00	IKS (Rural Development)	Prof. Rakuma Mukhopadhyay (IBRAD)
	12.00 – 1.30	Identity and Values for a teacher: Whose values count? (Holistic & multidisciplinary Education)	Dr. Amitava Mukherjee, Former Senior Advisor, Government of India
	2.30 – 4.00	Why E-Learning? Part 1 (Holistic & multidisciplinary Education)	Prof. P. S. Mukhopadhyay Kalyani University
	4.00 – 5.30	Why E-Learning? Part 2 (Holistic & multidisciplinary Education)	Prof. P. S. Mukhopadhyay Kalyani University
01.08.2023 Tuesday	10.30 – 12.00	Startups and Innovation Part 1 - (Indian Business Mode (Indian Knowledge System)	Prof. S. N. Dhar Dept. of Commerce, NBU
	12.00 – 1.30	Startups and Innovation Part 2 - (Indian Business Mode (Indian Knowledge System)	Prof. S. N. Dhar Dept. of Commerce, NBU
	2.30 – 4.00	A Cosmic Voyage Part 1 (Science & Astronomy)	Dr. D. P. Duari Director, M. P. Birla Planetarium, Kolkata
	4.00 – 5.30	A Cosmic Voyage Part 2 (Science & Astronomy)	Dr. D. P. Duari Director, M. P. Birla Planetarium, Kolkata

- As per NEP-2020, broad themes are mentioned.
- No. of Resource Persons in the 1st Week: 14
- No. of different institutions of Resource Person:09

Date- 26.07.2023

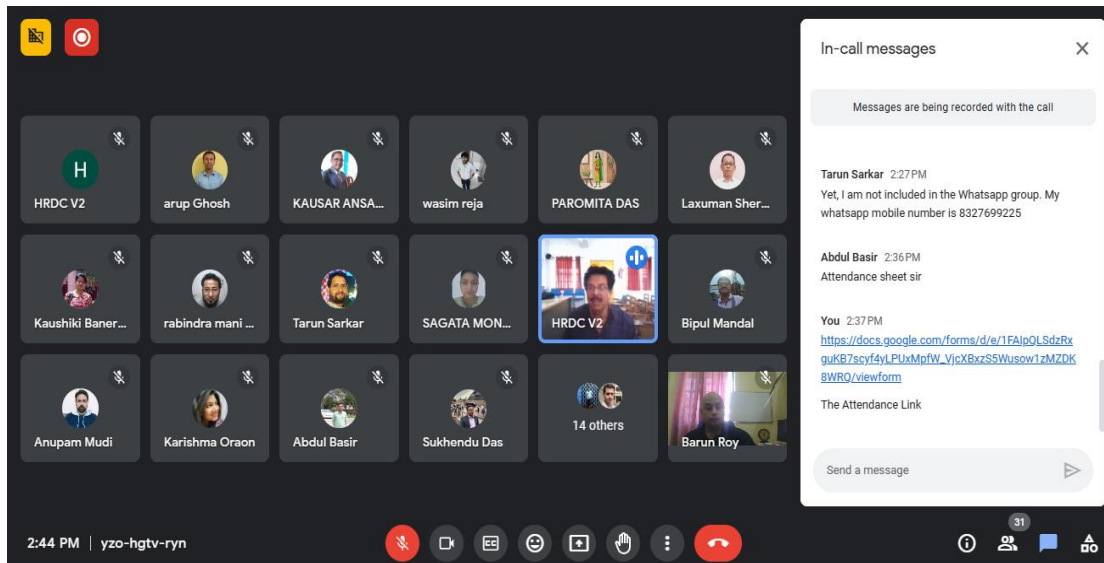


The registration and inauguration event for the 13th Faculty Induction Programme, organized by the HRDC, NBU, was held on 26th July 2023. Registration started from 10.30 am through Google Meet. Coordinators of the HRDC, NBU, started the programme by welcoming all participants from various institutions from West Bengal and other states. All participants registered themselves for the 13 FIP through Google Form.

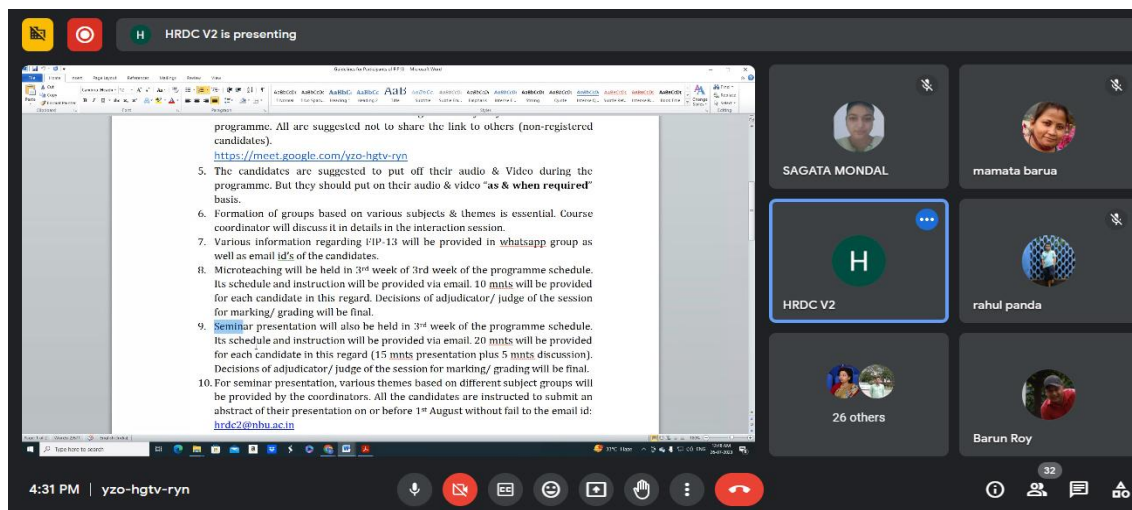


After the completion of the registration of participants, the inaugural session started at 11.30 a.m. The Registrar, NBU, and the Dean of the Science faculty at NBU, along with the Director and Assistant Directors of HRDC, NBU, and all the participating teachers, were present in the session. The Registrar and the Dean of Science gave informative speeches as well as suggestions to the HRDC. Prof. Anjan Chakraborty, Director, HRDC, also delivered a speech

about the FIP. Assistant Directors Prof. Sanjeev Bhattacharya and Prof. Mussaraf Hussain conducted the program, respectively.



After the lunch break, the second session started at 2.30 pm. A valuable and informative lecture was delivered by Emeritus Prof. Raghunath Ghose on “Morality and Education”. The session was interactive, and questions asked by some participants were answered satisfactorily.



According to the program schedule, an interaction session started at 4.30 pm. Prof. Sanjeev Bhattacharya, Assistant Director, provided all the guidelines related to the 13th Faculty Induction Programme. During this session, informative and thought-provoking discussions were held. At the end of the session, Assistant Director Prof. Sanjeev Bhattacharya concluded the day's session with his short speech to the participants about the structure and schedule of the induction programme.

Laxuman Sherpa, Roll No. 04
Govt. General Degree College at Pedong
Subject: Nepali

Date- 27.07.2023

1st Half

In the first session, an illuminating lecture was delivered by Prof. Rakesh Batabyal, JNU, an Associate Professor at the Centre for Media Studies. He specializes in the History of Famine, Ideology and Violence, History of Institutions, History of Nationalism, and Rhetorical Tradition. He takes an interest in Media and the Regime of Technology, Media and History in Eastern Europe, and Cold War Propaganda. Prof. Batabyal interacted with every participant and wanted to know about their degree, the degree-awarding Institution, and their area of research interest. He delivered a brilliant lecture containing lots of information across various disciplines. The topic was “Making of University and its Role” from ancient to present. He discussed the top 5 Universities before 1964 and their current situations. Additionally, he discussed different scholarships and the foundation history of various State and National Universities. He also shed light on the new National Education Policy and pointed out the differences between private goods and public goods in the education system, as well as the reasons for attending university and the role of the University in knowledge and teaching. After the vote of thanks, the interesting, informative, and illuminating lecture concluded.



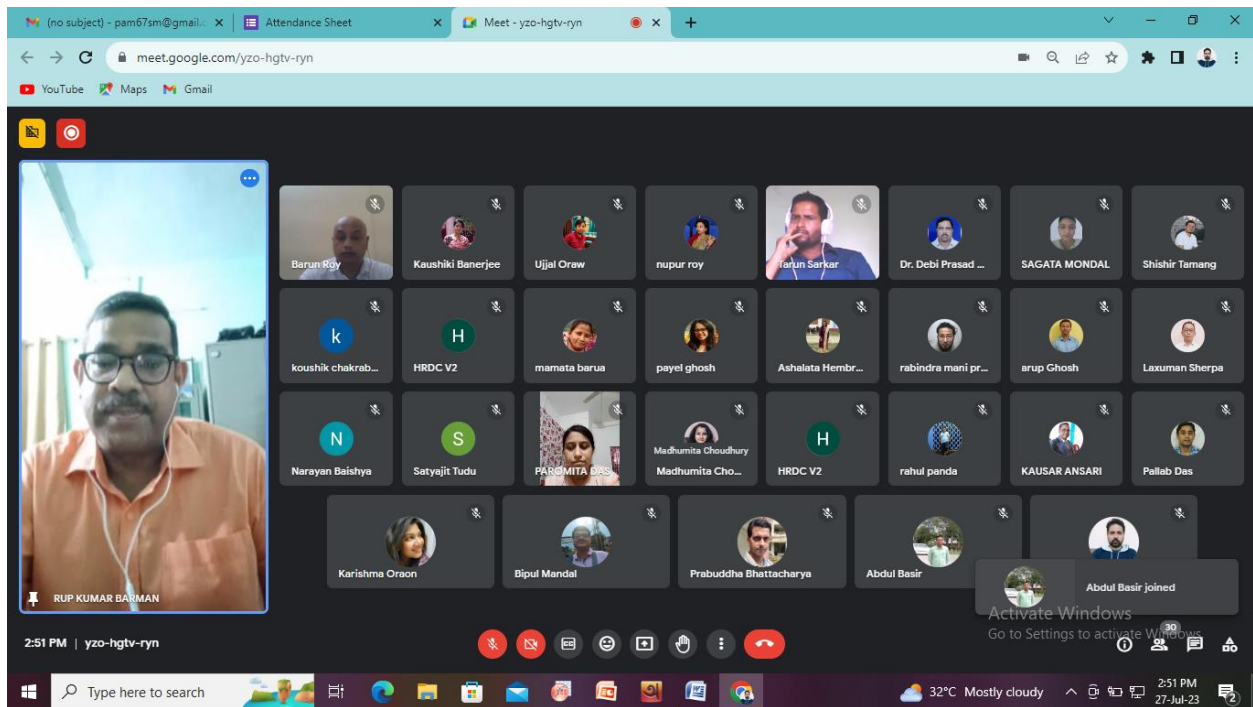
2nd Half

During the 2nd session of the day, Prof. Rupkumar Barman from the Department of History at Jadavpur University delivered an informative lecture. He obtained his PhD from NBU in 2006. His fields of specialization are Modern Indian History, Dalit and Tribal studies, Human Rights, Refugee, Migration, and Displacement Studies, International Relations, and Environmental History. In addition to his academic achievements, he boasts an extensive list of books that he has authored. He delivered his 1st lecture on ‘National Identity of Postcolonial Humanity in South Asia.’ During his lecture, he covered a wide range of topics including borderlands histories, Assam movement, the Citizenship Amendment Act (CAA), migration from a

theoretical perspective, the Rohingya crises in Myanmar, Bangladesh, and India, as well as the activities of Nepali-speaking people in West Bengal.

In the second phase of his lecture, Prof. Rupkumar Barman discussed another intriguing topic: “Social Science Research for Common People.” He also focused on the importance of field study in research. He illustrated with compelling example the disparities between actual data and archival data. In this part of his lecture, he also placed strong emphasis on conducting field studies on the lives of fishermen, delving into their life patterns and cultural practices. He also mentioned the role and importance of field study in History, Anthropology, Economics, and Management. He also clarified the difference between seeing and observing, and how it is only proper observation that can create new ways of thinking.

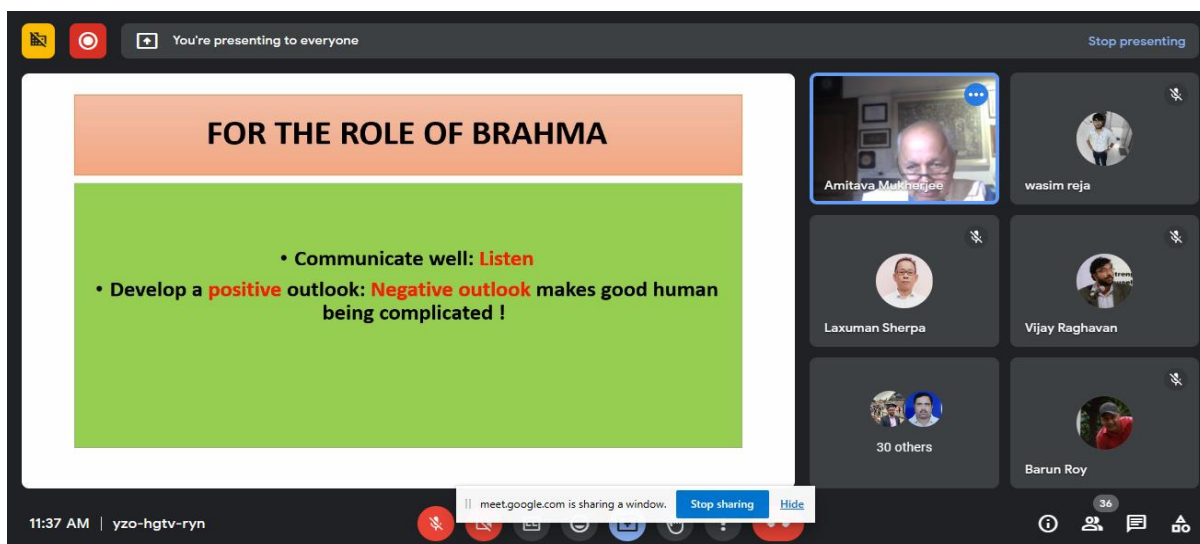
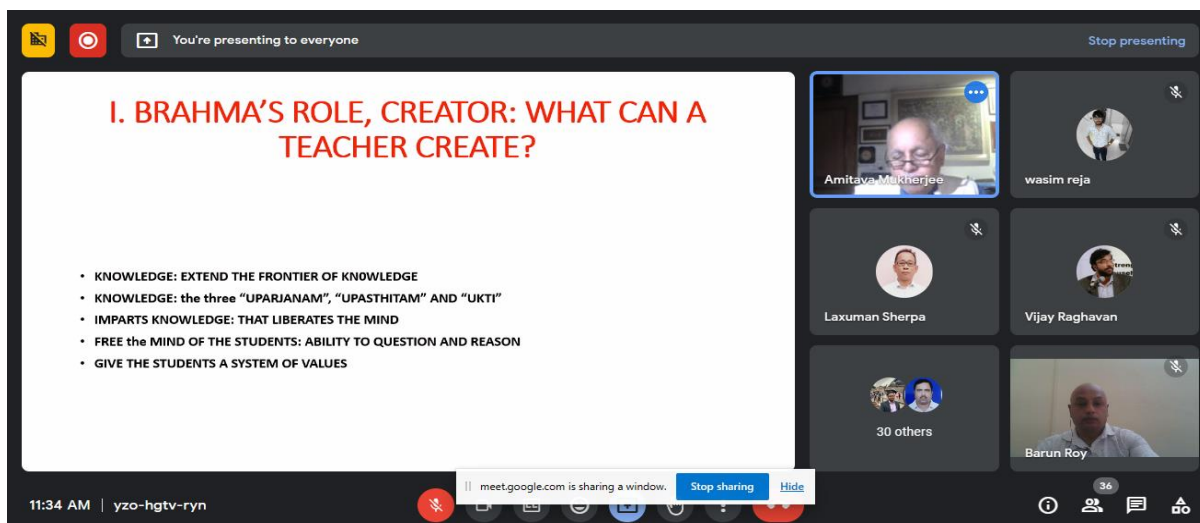
After the expression of gratitude through the vote of thanks, the enriching lecture concluded.



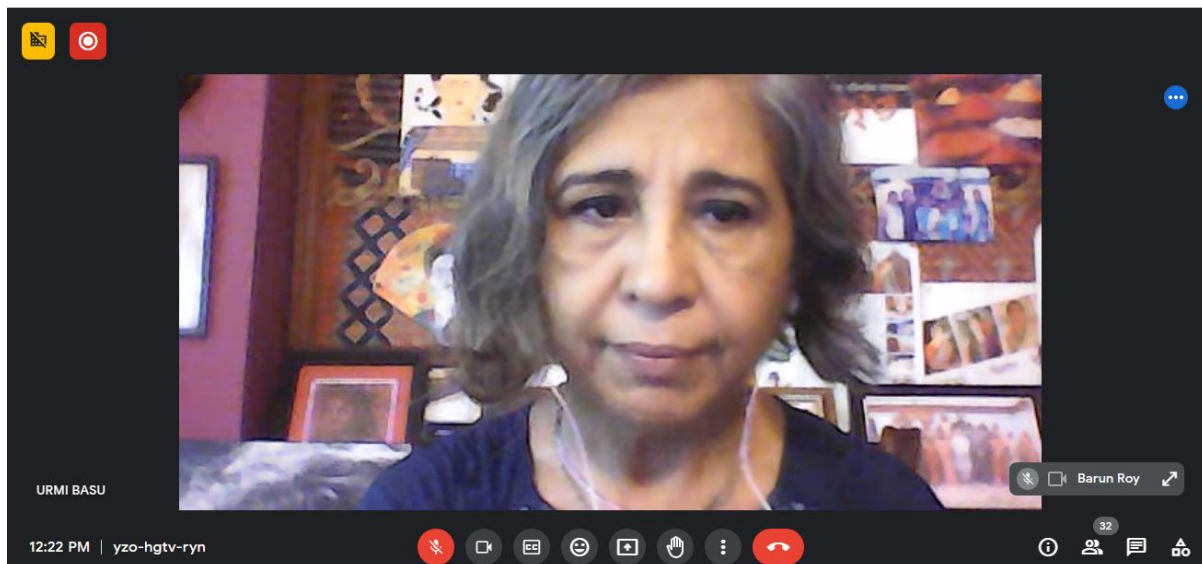
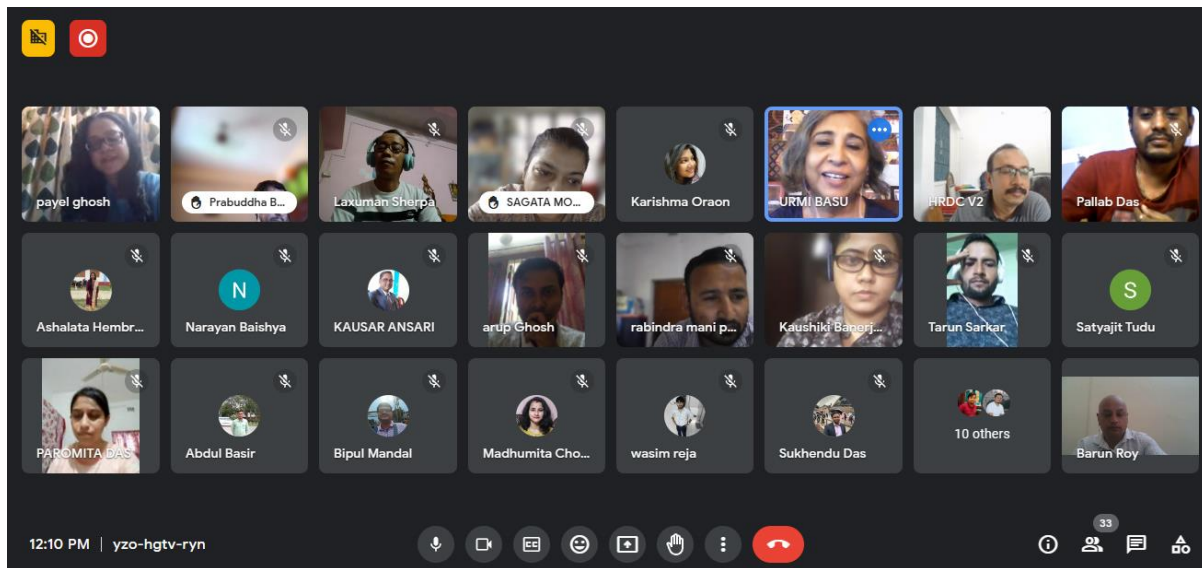
Date- 28.07.2023

1st Half

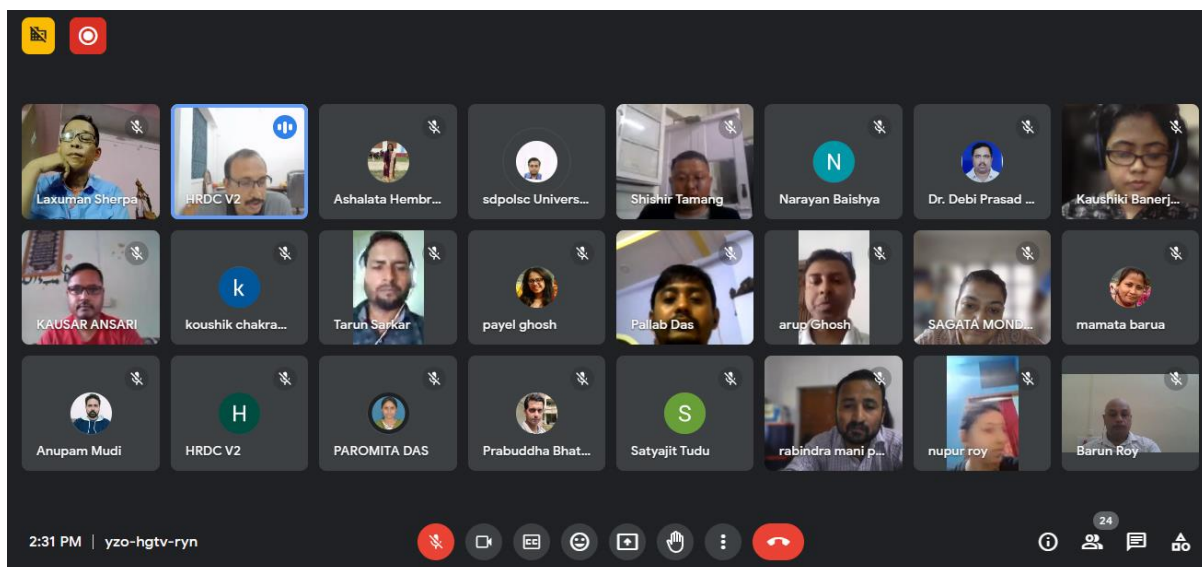
The 13th Faculty Induction programme, organized by HRDC, NBU, was held on July 28th, 2023. On Friday, a spectrum of sessions had been organized via Google Meet and was presented by eminent speakers from their respective fields. All the participants joined the online program from various institutions across West Bengal and other states, and they submitted their attendance via a Google Form.



The very first session began at 10:30 am with the welcome notes from Prof. Sanjeev Bhattacharya, Assistant Director of HRDC NBU. Dr. Amitava Mukherjee delivered an informative and enlightening lecture on Dharma and Education. He explicitly explained the essential qualities of becoming a good teacher and the characteristics of a great teacher, using religious figures as examples.



The next session started at 12 p.m. with a welcome note from Payel Ghosh, an ICT team member. Eminent resource person Urm Basu delivered a wonderful speech on Gender. She discussed gender discrimination, feminism, the different waves of feminism, and Eco-Feminism. All the participants were enriched by her valuable speech and had the opportunity to interact with her. Questions asked by some participants were answered satisfactorily.



After the lunch break, the second session started at 2:30 p.m. with another resource person, Samir Das, who delivered an enlightening and informative lecture on peace studies. During this session, an engaging and thought-provoking discussion also took place between the resource person and the teacher-participants. Prior to the conclusion of the session, a concluding remark was delivered by a member of the ICT team. In accordance with the prescribed itinerary, the sessions of the day reached their culmination at 5:30 p.m., marked by a concluding statement offered by Assistant Director Prof. Sanjeev Bhattacharya.

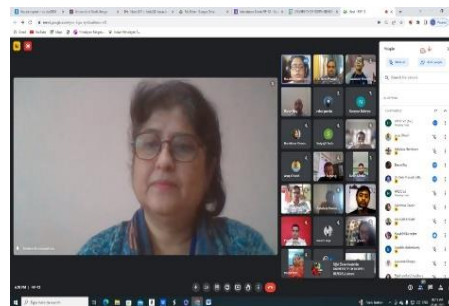
Date- 31.07.31

Session- I, Time: 10:30AM -12PM

Resource Person: Prof. Raktima Bandyopadhyay, Executive Director, Indian Institute of Bio

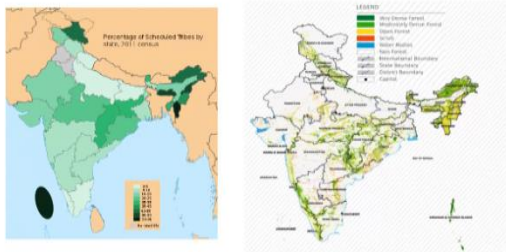
Social Research and Development

Topic: Pathways for integrating IKS for Rural Development



Prof Raktima Bandyopadhyay initiated her talk in a very intuitive way by giving us a chance to assess our knowledge of rural development through an online questionnaire. Then she elaborated, starting from the very basics, such as what a rural area is, and she discussed the tribal people of India and the idea of development. She explained the goals of sustainable development and outlined the process of achieving these goals. She emphasized the impact of climate change on agriculture and the environment in the context of rural development. She further explained the relevance of traditional knowledge for sustainable rural development, as well as its role in ensuring the security and improvement of livelihoods for rural and tribal people. We came to know about various strategies for the development of rural life, including water conservation, organic sustainable agriculture, fishery, agro-forest, and community nursery, to name a few.

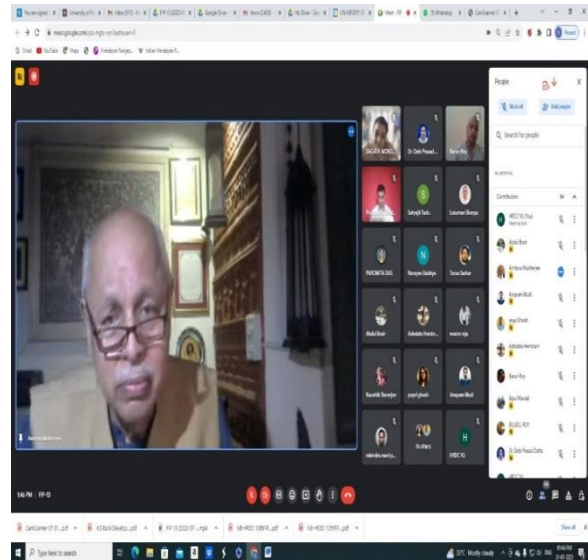
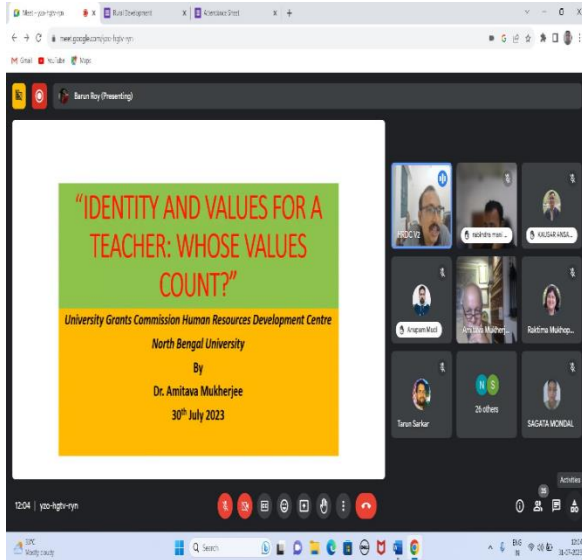
How to achieve the goal while maintaining the identity, culture, traditional knowledge and practices in the context of climate change?



Session- II, Time: 12PM-01:30PM

Resource Person: Dr. Amitava Mukherjee, Former Senior Advisor, Government of India

Topic: Identities and Values for a Teacher: Whose Values Count?



Prof Mukherjee took up from where he finished his last talk where he discussed the 'dharma' of a teacher, how a teacher should play the role of Brahma, Vishnu, Maheswar, i.e., creator, nurturer, and destroyer of unnecessary things in reference to Mahabharata. He explained in more detail the duties and responsibilities of a teacher in terms of 'dharma,' providing proper references to Mahabharata. He explained the necessary values of a teacher and the relation of values with ethics and morals. He discussed how values and attitude influence the identity of a teacher and what kind of behavior makes a good teacher's identity. He highlighted the essentiality of values for a teacher and how these values are intrinsic in the constitution of India.

Examples of Values



BRAHMA'S ROLE, CREATOR: WHAT CAN A TEACHER CREATE?

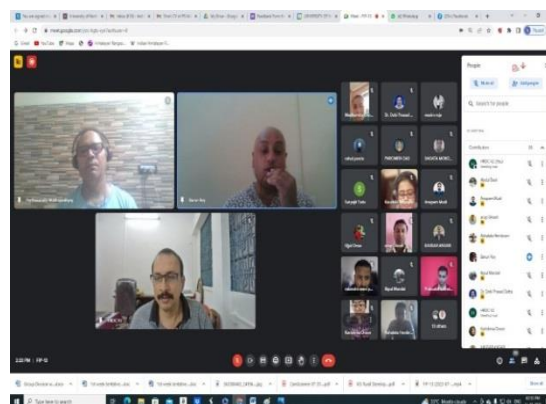
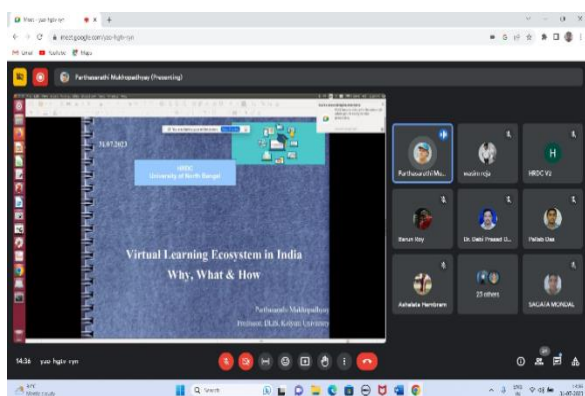
- KNOWLEDGE: EXTEND THE FRONTIER OF KNOWLEDGE ("UPARIJANAM", "UPASTHITAM" AND "UKTI")
- IMPART KNOWLEDGE BASE: THAT LIBERATES THE MIND
- FREE THE MIND OF THE STUDENTS: ABILITY TO QUESTION AND OFFER REASONED DISSENT!
- CREATE A SYSTEM OF VALUES IN THE STUDENTS!
- GIVING: OR ELSE FIVE Elements: Earth, Water, Fire, Air and Ether (Space)
- GIVING IS A KEY VALUE

Session- III, Time: 02:30PM-04:00PM

Session- IV, Time: 04:00PM-05:30PM

Resource Person: Prof. P. S. Mukhopadhyay, Department of Library and Information Science, Kalyani University

Topic: Virtual Learning Ecosystem in India Why, What and How

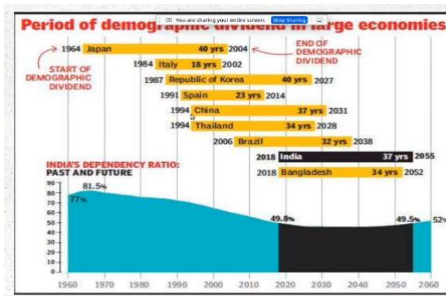


Prof. Mukhopadhyay introduced the idea of the E-learning environment, its emergence during the pandemic situation, its importance, and the role it is going to play in the future in the educational field. He emphasized that E-learning is the future of education for three factors: Higher Education in India, Demographic Bonus, and Budget of Higher Education Institutes. In this context, he outlined the scenario of enrollment in higher education in India. He showed how India will be supplying a young workforce to the world, and how this requires proper education to meet the demands of the twenty-first century. He discussed the educational budget and different assisting programs in the academic field. Furthermore, he outlined the present problems of the Indian educational system and how E-learning is a solution. He discussed the necessities of E-learning systems and how we can adopt them. He also touched upon the different modes and processes of E-learning and related tools.

In the second session of his deliberation, he talked about the E-learning ecosystem comprising the SWAYAM platform and Indian academic institutes. He explained how E-learning is planned using the SWAYAM platform and discussed the skills needed and responsibilities of teachers in E-learning. He mentioned the available open access sources, repositories, etc. and highlighted the importance of licensing educational tools prepared by teachers. He also mentioned various available E-learning environments. He informed us about open access resources such as OER commons, Directory of open access books, HathiTrust, Internet Archives, DOAJ, Bielefeld Academic Search Engine, MyDLIS-KU, etc.

HEI in India : At a Glance

- Gross Enrolment Ratio (GER) in Higher education in India is **27.1**, which is calculated for 18-23 years of age group.
- Distance enrolment constitutes about 11.1% of the total enrolment in higher education, of which **44.5% are female students**.
- At Undergraduate level the highest number **32.7%** of students are enrolled in Arts/Humanities/Social Sciences courses followed by Science **16%**, Commerce **14.9%** and Engineering and Technology **12.6%**.
- About 79.5% of the students are enrolled in Undergraduate level
- 10** Programmes out of approximately **196** covers **79%** of the total students enrolled in higher education.
- 2,02,550** (2019-20) students are enrolled in Ph.D. which is about **0.5% of the total student enrolment**.



VLE/MLE vs. TLE

VLE/MLE	TLE
Learning materials and resources available within the system	Resources available within a library or information centre unit
Online assessment	Examinations
User driven time and learning schedule	Institute driven time and learning schedule
Discussion forum, chat room, video conferences, wiki, blogs	Classrooms
Sophisticated monitoring and tracking system	Registers, tutor records etc.

Report Submitted by

Dr. Debi Prasad Datta, Roll 11

Sagata Mandal, Roll 10

Date: 31.07.2023

Date: 01/08/23

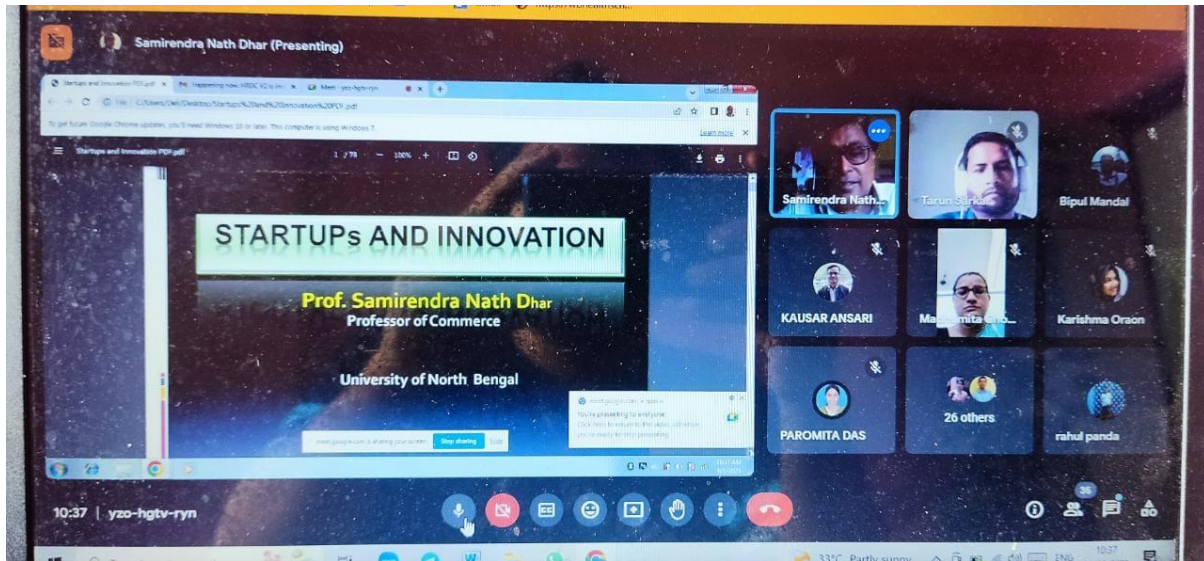
(FIRST-HALF - Report by Rahul Panda, Roll 12)

Session- I

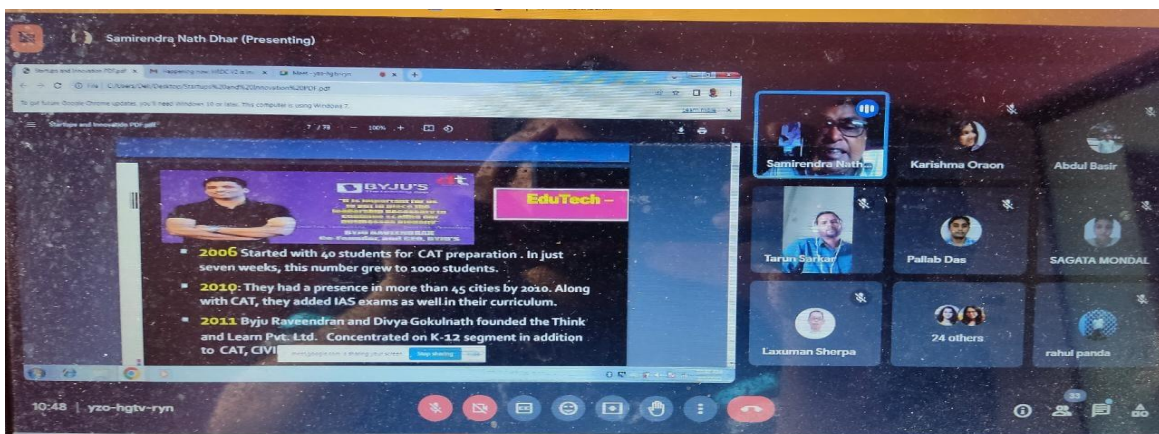
Time: 10:30AM -12PM

Resource Person: Prof. Samirendranath Dhar, Dept. of Commerce, NBU

Topic: STARTUPS AND INNOVATION



Prof. Dhar gave an insightful lecture about the business models running behind the subcontinental booming of Start-ups and entrepreneurship. He started his lecture with reference to the basic ideas regarding innovation, market economics, growth, and different business ideas. Then he elaborated unique characteristics behind start-ups; such as – problem-solving ability, ambition, market opportunity, flexibility, tech-oriented thought process, young in nature, etc., which differentiate them from conventional business models. He gave various examples of prominent start-ups like BYJU, WOW MOMO, and URBAN CLAP to substantiate his point of view. Subsequently, he explained the eco-system of start-ups, how they formulate the idea, sustain it, and after getting the much-needed recognition and funding, how they scale up their business periphery.

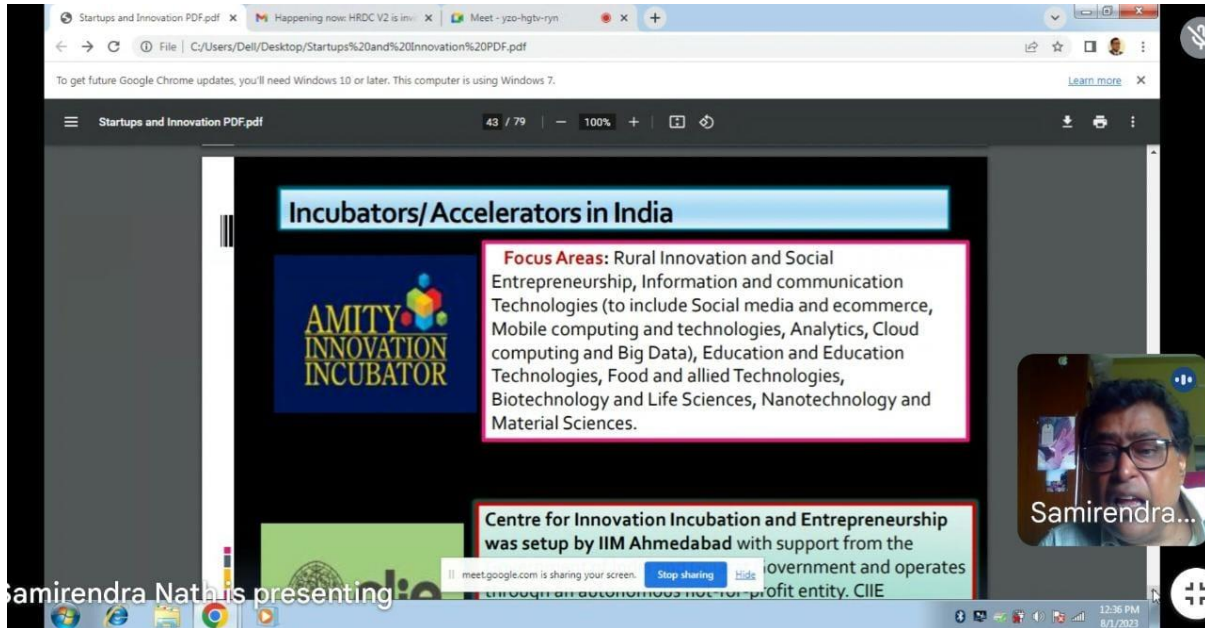


Session- II

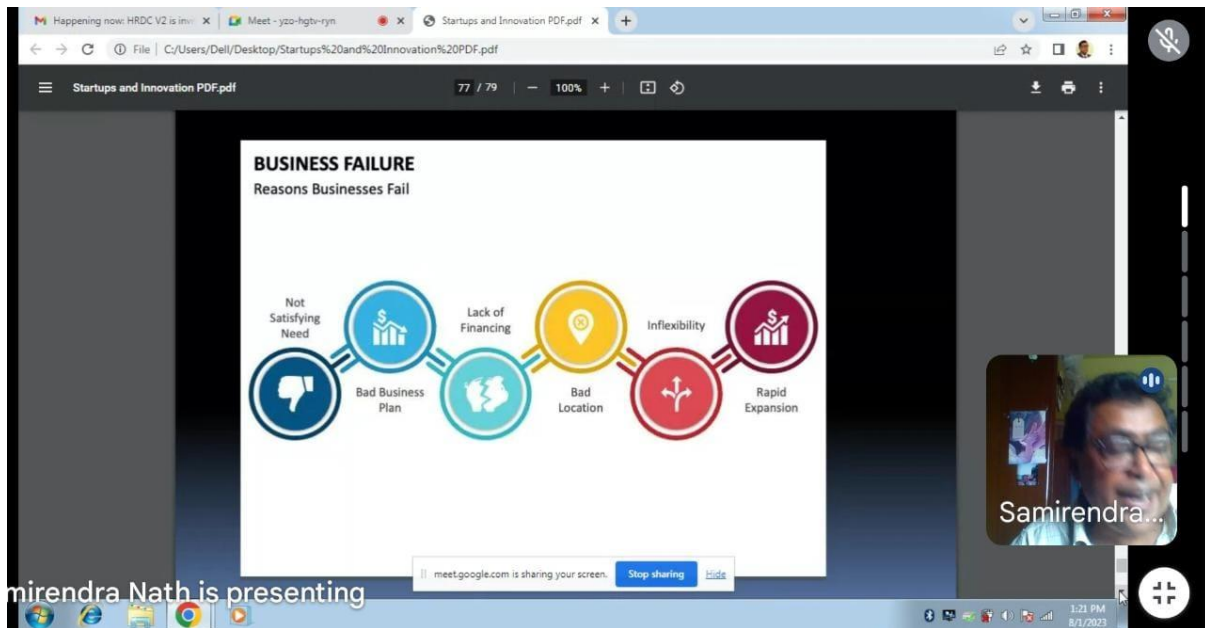
Time: 12PM-01:30PM

Resource Person: Prof. Samirendranath Dhar, Dept. of Commerce, NBU

Topic: Funding support and incentives in Start-ups



In the second session, Prof. Dhar highlighted the need for innovative ideas in the Indian Education Sector and how institutions can act as incubation centres. According to him, the promotion and encouragement of new business ideas should be the utmost priority from an institutional point of view. It should be a part of the financial strategy, and a minimum of 1% of the total annual budget of the institution should be allocated for funding and supporting innovations. The incubation centres should be accessible to anyone interested in any type of cutting-edge ideas. He provided examples of some premium Indian institutions such as IIM Ahmedabad, Indian Angel Network, CIIA, NSRCEL, IIT KGP, and BITS Pilani, which take this proposition seriously and function as proper procreation centres. Along with other private angel investors, these institutions now provide initial capital to startups after thorough empirical research and help them to grow. He concluded his lecture by explicating the numerous complications and worries looming over the startup fraternity.



(SECOND HALF - Report prepared by Dr. Prabuddha Bhattacharya, Roll 13)

Session- III

Time: 2:30PM - 4:00PM

Resource Person: Prof. Debiprosad Duari, Director, Institute of Astronomy Space and Earth Science

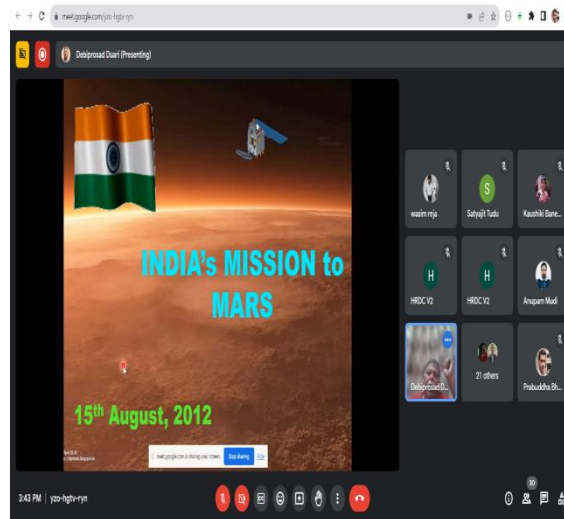
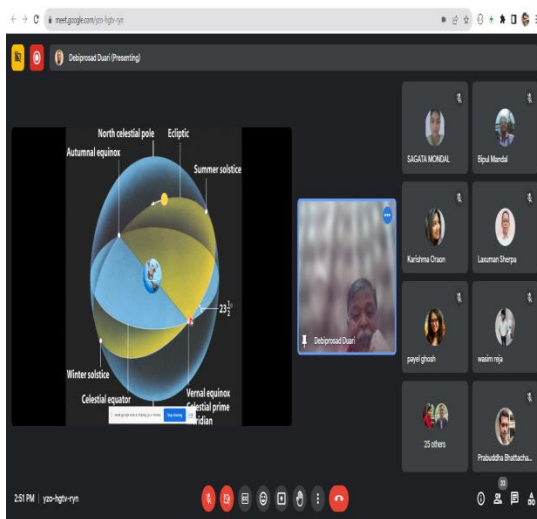
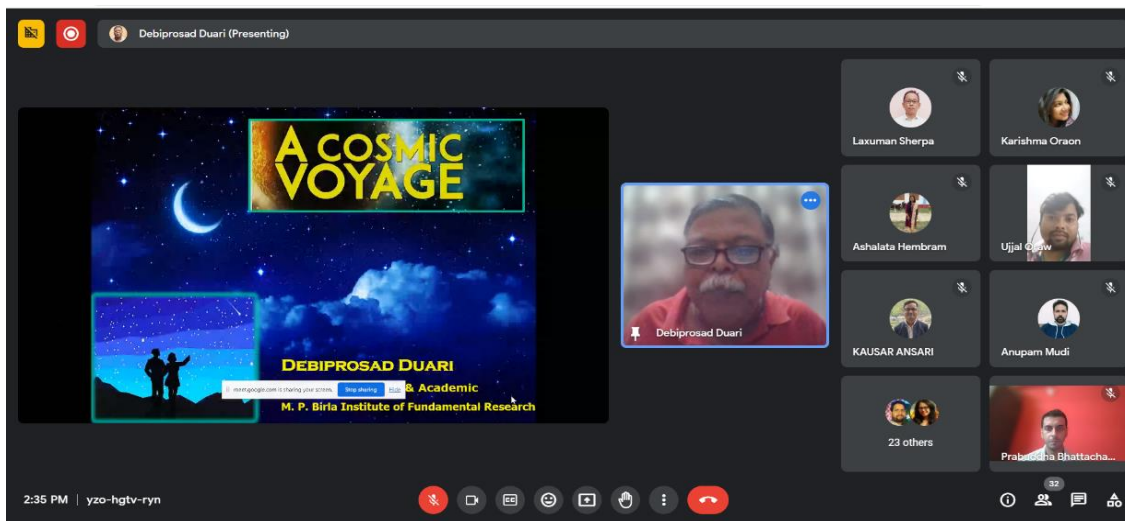
Lecture Title: A Cosmic Voyage

Prof Duari, an eminent scientist in the domain of astronomical physics and a prolific speaker on popular science, started the session giving a broad overview on the highly interdisciplinary nature of astrophysics while highlighting the significance of advanced, state of art, scientific instruments and well-equipped laboratories that are being employed globally for the cutting-edge space research. The same was exemplified through reference to the likes of the very large telescope at Las Parnal Chile, Mauna Kea Observatories, GMRT Pune, India TMT, LIGO India, SKA India, ILMT India, and many more. Throughout his lecture, Prof. Duari kept referring to the distinguished and globally acknowledged achievements and progress made by India in the domain of science and astronomy in specific. With the help of well-illustrated and labeled diagrams, Prof Duari explained some of the fundamentals of science like the ecliptic pathway for the motion of earth around a certain angle around the Sun,

occurrence of equinox and solstice along with its effect on the length of day and night time on two different hemispheres, relative motion of the earth around the Sun and its effect upon the change in seasons, spatial geometry and the general science behind solar and lunar eclipse,

gravity and its role in the occurrence of tides, the theory behind the origin of the moon (collision-ejection theory) and also the four dimensional nature of the universe (three dimensions coming

from space and the fourth dimension is the time), solar corona, real-time images of sunspots, magnetic structure near earth and its role in the formation of aurora, the topological and the life sustainability on mars. Prof. Duari elaborated on the various scientific and technological endeavors pursued by India in the pursuit of excellence in the field of space and astronomy, with special emphasis on Mangalyan. The participants were given an overview of the forthcoming expeditions to be undertaken by the scientific community in near future. He further busted the myth of astrology and scientifically negated the various hoaxes like Rahu and Ketu proposed in the field of astrology. At the end, the immense and detrimental effect that these cosmic bodies and their interaction has on the life and well being of the mankind was upheld with remarks on how any deviation in the physics and mathematics of these cosmic events can lead to catastrophic disaster.



Session- IV

Time: 4:10PM - 5:30PM

Resource Person: Prof. Debiprosad Duari, Director, Institute of Astronomy Space and Earth Science

Lecture Title: A Cosmic Voyage (continuation of the last session, with emphasis on celestial bodies like asteroids, comets, dwarf planets, stars and interdisciplinary fields like astrochemistry and astrobiology)

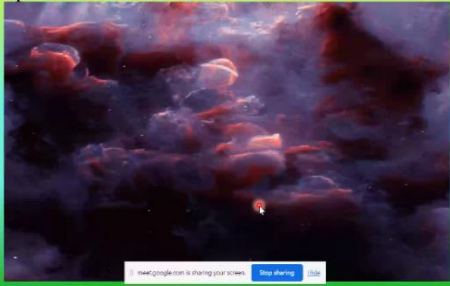
The second part of the lecture started with Prof. Duari introducing the morphological diversity found in asteroids and its impact upon colliding with the earth. The image of the steroid Ryugu obtained by the Japanese spacecraft helped the scientific community to have further information on the topology of such asteroids. Prof. Duari gave an introduction to the chemical composition, origin and structure of comets. The long debate on exclusion of Pluto from the solar system and its categorization as the dwarf planet was addressed. Brief discussion was carried out on other bodies like *eris*, *ceres*, *humea* and *make make*. He then went on to elaborate the endeavors by NASA on finding out water outside earth with emphasis on instruments like cryobot. The presence of water outside earth does indicate the presence of life. Prof. Duari then elaborated on the origin the vital physical statistics of stars. He outlined that how stars may be classified based on their various physico-chemical parameters. The structure and chemical composition of the stars were presented through real-time images. Prof. Duari emphasized on the intellectual demand of studying astrophysics and the scientific excellence that it commands. The thermally and pressure controlled chemical and nuclear reactions leading to the death of stars were described and the simulation outputs were picturized. The death of stars leading to the formation of pre-biotic materials was covered under the realm of astrochemistry which deals with the synthesis and decomposition of chemical entities in the interstellar space and cosmic bodies. The fascinating chemistry in the space led to the discussion on astrobiology. Factors leading to the thriving of life and its genesis may be traced back to such cosmological events was discussed. Following this, Prof. Duari elaborated on the reality of the black holes. He went on to outline the cosmological pathway and thus gave an overview of the Big Bang Theory. Finally, Prof. Duari concluded by unifying the quantitative approaches adopted in science with the qualitative approaches in humanities while referring to the quotes from Tagore's literature. At the end of the session, Prof. Duari patiently answered all the questions asked by the different participants and dispelled all the doubts.

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Debiprosad Duari (Presenting)

Astrochemistry

- **Astrochemistry** synthesis of molecules in space in **Interstellar Matter** and their



4:48 PM | yzo-hgtv-ryn


mamata barua, Abdul Basir, Sukhendu..., Bipul Mandal, Pallab Das, payel ghosh, Debiprosad D..., 22 others, Prabuddha Bh...

Sukhendu Das has raised a hand

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Debiprosad Duari (Presenting)

TWINKLE TWINKLE LITTLE STARS



4:25 PM | yzo-hgtv-ryn


mamata barua, wasim reja, Sukhendu..., Bipul Mandal, Pallab Das, Ujjal Craw, Debiprosad D..., 23 others, Prabuddha Bh...

Sukhendu Das has raised a hand

meet.google.com/yzo-hgtv-ryn

Debiprosad Duari (Presenting)

Life in the Universe



4:56 PM | yzo-hgtv-ryn

mamata barua, Abdul Basir, Sukhendu..., Bipul Mandal, Pallab Das, payel ghosh, Debiprosad D..., 22 others, Prabuddha Bh...

Sukhendu Das has raised a hand

SCHEDULE FOR 13th FACULTY INDUCTION PROGRAMME (FIP-NBU-13)
SECOND WEEK

DATE	TIME	TOPIC	RESOURCE PERSON
02.08.2023 Wednesday	10.30 – 12.00	Some Small and Large Issues of Environmental Sciences: An Odyssey for the last 30 years	Prof. Arun Bandyopadhyay, CU
	12.00 – 1.30	From Environmental Humanities to Planetary Environment: A Roadmap for the Future?	Prof. Arun Bandyopadhyay, CU
	2.30 – 4.00	Plastic, Plastic everywhere – Get rid of it!	Prof. Ranadhir Chakraborty Dept. of Biotechnology, NBU
	4.00 – 5.30	Investment opportunities for salaried people	Dr. Jamaluddin Dept. of Commerce, NBU
03.08.2023 Thursday	10.30 – 12.00	“Men’s Studies: Ideas and concepts”.	Prof. Anup Sekhar Chakraborty
	12.00 – 1.30	“Memes and Political Communication”.	Prof. Anup Sekhar Chakraborty
	2.30 – 4.00	Nanoscience and Naotechnology: An overview	Prof. D. K. Maity Calcutta University
	4.00 – 5.30	Fabrication of Smart Organic Nanomaterials for Sensors, Inkless Writing and Devices	Prof. D. K. Maity Calcutta University
04.08.2023 Friday	10.30 – 12.00	Science and Scientist - The Indian Legacy of Scientific Research	Prof. P. M. G. Nambissan, Saha Institute of Nuclear Physics, Kolkata
	12.00 – 1.30	Who is a valuable being? An analysis from moral philosophy and Indian ethics (Nitisastra)	Prof. L. K. Padhi Dept. of Philosophy, NBU
	2.30 – 4.00	Foods that can help us avoid Cancer	Dr. Sankar Nath Oncologist, Kolkata
	4.00 – 5.30	Foods that can help us avoid Cancer	Dr. Sankar Nath Oncologist, Kolkata
05.08.2023 Saturday	10.30 – 12.00	PFMS a financial management platform for research projects funded by Central Agencies	Dr. Debasish Pal JFO, Jadavpur University
	12.00 – 1.30	Pay Revision and Promotional Pay	Dr. Debasish Pal JFO, Jadavpur University
06.08.2023 SUNDAY	SUNDAY / HOLIDAY		
07.08.2023 Monday	10.30 – 12.00	The impact of Intellectual Property Right on education system	Dr. Anoop Kumar Dept. of Biotechnology, NBU
	12.00 – 1.30	Design and Development of Swayam MOOCS	Dr. Ajit Kumar C. Assistant Professor, IGNOU
	2.30 – 4.00	Ethics in Science and research	Prof. Amiya Kr. Panda Vidyasagar University
	4.00 – 5.30	Sustainable Development	Prof. Ranjan Roy Dept. of Geography, NBU
08.08.2023 Tuesday	10.30 – 12.00	Common ICT Tools in HEIs: Resources and Challenges	Dr. Anindya Bose Burdwan University
	12.00 – 1.30	Common ICT Tools in HEIs: Resources and Challenges	Dr. Anindya Bose Burdwan University
	2.30 – 4.00	Alternative Education: Alternative Theatre	Dr. Nandan Bhattacharya, Assistant Professor, HRDC, JU
	4.00 – 5.30	The courage of knowing and unknowing history: A case study on the use of iron	Dr. Dipsikha Acharya Department of History, NBU

Date: 02.08.2023

Session: 1, Time: 10: 30 AM- 12 PM

Resource Person- Prof. Arun Bandyopadhyay

Topic: Large & small issues of Environment (Environmental Science)



On the sixth day of Faculty Induction Programme 13, Professor Arun Bandyopadhyay, Nurul Hasan Chair Professor of History, University of Calcutta, delivered lecture on “Large and Small issues of Environment”. Prof. Bandyopadhyay divided his lecture into two parts. The first part of the lecture focused on the small and large issues of environmental science and another was on environmental Humanities. He explained the environmental issues are the harmful effects of human activities on the environment. Prof. Bandyopadhyay emphasised that environmental science is a newly develop and growing field of study. The lecture discussed the evolution of environmental awareness in the first 30 years since the publication of Rachel Carson’s “Silent Spring” (1962). The lecture then mentioned the issues involved in the various Conference of the Parties (COP) assessing the implementation of the United Nations Framework Convention on Climate Change.

The concluding part of lecture identified six primary causes of environmental degradation and these are: nuclear war, growth of population, wastage of natural resource, large scale urbanization, poverty and pollution. In the interactive session numerous questions were raised by the participants and some of these questions are as follows: what is the anthropocentric nature of ecological debate? How does the discourse of environment protection and climate change is addressed the context of global north south divide? What are the policies of government to control the production and use of ozonosphere depleting gases? How does environmental pollution cause cancer in human beings? What is environmental ethics? What is the difference between environmental science and environmental studies? Professor Bandyopadhyay satisfactorily answered all the questions and the session ended at 12:00 noon.

Session: II, Time: 12: 00 PM- 1.30 PM

Resource Person- Prof. Arun Bandyopadhyay

Topic: Large & small issues of Environment (Environmental Humanities)

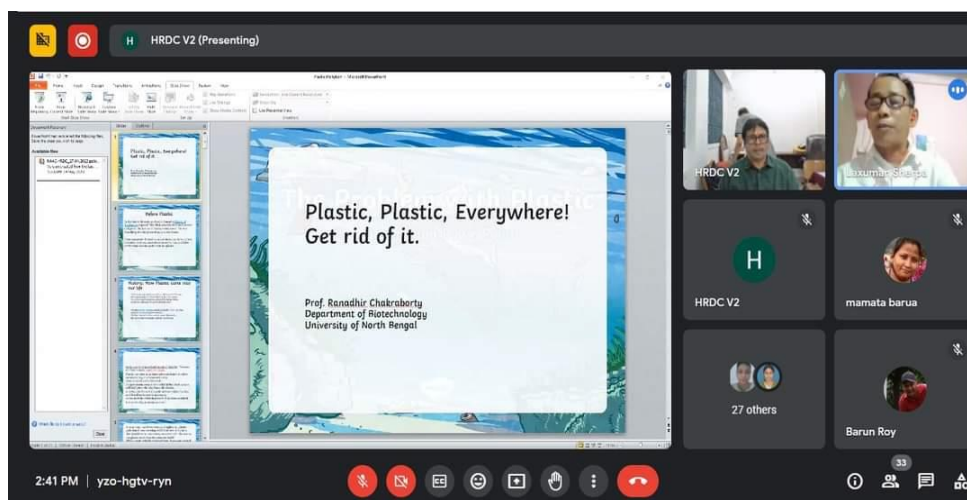
After a break of 10 minutes, second session of the sixth day of the 13th faculty induction programme was started at 12:10 PM. In this session Professor Arun Bandyopadhyay talked about the evolution of environmental protection from Environmental Humanism to planetarium environment. His lecture was focused on two important questions, what is environmental humanism? How does planetary environmentalism impact on environmental humanism? He also talked about build-up of greenhouse gases which is one of the causes of global warming. He figured out four challenges, one is causality, second is process, third is agency, and finally eventuality. While the awareness to protect environment had already started since the publication of Rachel Carson's Silent Spring, environmental humanism as a approach to think about environment started only in the 21st century. Environmental humanism addresses the problems of environment through a human lens by which it means to understand the environmental problems along with the meaning, culture, values, ethics, and responsibilities of man and his society. It essentially tries to bring environmental science out of labs into social realm and address the problem thereof. Critics of this approach argue that it is anthropocentric and the motive to protect environment emanates from the centrality of human beings while relegating other living beings. In opposition to anthropocentricity of environmental humanism advocates of bio-centrism which holds that all living beings are equal and have inherent values and ecological thinking should consider all living beings. Planetary environmentalism evolved as a response to this anthropocentric-biocentric divide and advocates ecological consciousness involving all the living and non-living beings. It holds that while absolute humanism is no longer preferred in environmental studies, yet no environmental understanding will be possible without human agency. Despite man being responsible for the degradation of environment it is only man which can proactively save it.

Professor Bandyopadhyay concluded the lecture by emphasizing the role of human agency and called for the protection of planetary living and nonliving beings to avert environmental crises. Interactive session was started at 01:00 PM. Many important questions were raised by the participants and some of these were: What is ecological economics? When did environmental humanism begin? What is Gaia theory? How did the communitarian vs. individualism debate influence the discourse on climate change? Professor Arun Bandyopadhyay answered all the queries satisfactorily. The session was concluded at 01:30 PM by a vote of thanks to Professor Arun Bandyopadhyay.

Session: III, Time: 02: 30 PM- 04:00 PM

Resource Person- Prof. Ranadhir Chakraborty, Dept. of Biotechnology, NBU

Topic: Plastic, Plastic, Everywhere! Get Rid of it.



Third session of the day was started only at 02:39 PM and was addressed by Professor Ranadhir Chakraborty, Department of Biotechnology, University of North Bengal. Professor Ranadhir's lecture revolved around the use of plastics, its types and impact on environmental life. Humans were using natural plastics such as animal horns, ivory and tortoise shell since ancient times and to procure these wild animals were killed in a massive scale. Invention of synthetic plastic since 20th century has changed this. Plastic is not a single compound, it has varieties and each has its own specific character and use. Some of most used varieties are Polyethylene Terephthalate (PET), High-Density Polyethylene (HDPE), Polyvinyl chloride (PVC), Low Density Polyethylene (LDPE), Polypropylene (PP), Polystyrene (PS) and others.

While plastics being tensile, light weight and chemically stable, has become pervasive in our life, plastic pollution on the other hand is extremely harmful to living bodies and environment. Synthetic plastics are derived from the byproducts of petroleum and these compounds are [non-biodegradable](#). It takes over 400 years for plastic to decompose. Added to this 90 percent of plastic produced globally are not recyclable and therefore it persists in environment once improperly disposed. Further complications arise as plastic starts breaking down into smaller plastic particles known as micro plastics. Micro plastic pollutions are often ingested unknowingly by all the living beings including marine animals causing health hazards such as cardiovascular disease, diabetes, abnormalities in digestive system and others. Steps to tackle plastic pollution were discussed, some of which were: weaning oneself off from using disposable plastics, using glass water bottles and reusable wares instead, refraining from buying PET water bottles, cooking food rather than buying packaged foods, saying not to polythene bags and taking reusable jute bags while shopping and others.

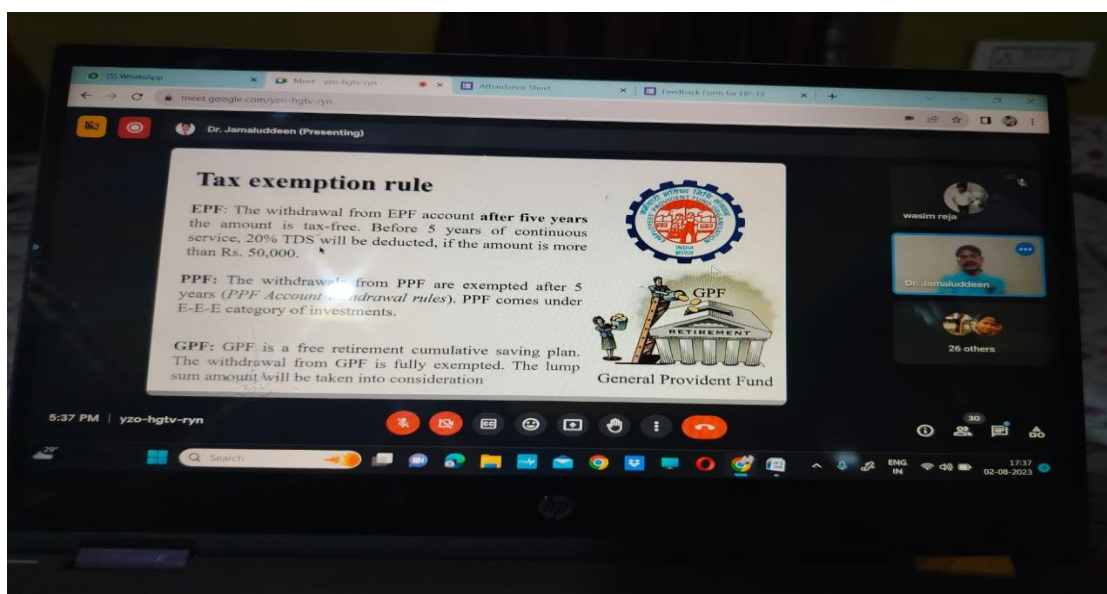
Professor Ranadhir also spoke about his current research in plastic decomposition. He has been supervising projects involved in isolating and characterizing polyethylene (PE) degrading bacteria. The study so far has revealed that some bacteria strain has positively reduced the weight of plastic proving that they are 'eating' the plastic. The lecture was concluded by 3:30 pm and Professor Ranadhir opened the floor for interaction with participants. Many questions were raised by participants and some of these were: Are plastic degrading bacteria safe for human

beings? Is using bacteria to decompose plastics economically viable and can we operate it industrially? What is the difference between photo degradation and biodegradation and which one is better to decompose plastic? Are all types of plastic recyclable?

Professor Ranadhir satisfactorily answered these questions and concluded the session by briefing the participants about his new research interest in plastic degradation which seeks to identify plastic degrading gene in the bacteria and to use this gene and nano-technology to eliminate micro plastics in organisms. At 4:00 PM the session was concluded by a vote of thanks to Professor Ranadhir Chakraborty.

Session: IV, Time: 04: 00 PM- 05:30 PM

Resource Person- Dr. Jamaluddin, Topic: Investment Opportunities for Salaried Persons



Last session of the day was addressed by Dr. Jamaluddin, Department of Commerce, University of North Bengal. The title of the lecture was "Investment Opportunities for Salaried Persons" and the session was started in 04:10 PM. Dr. Jamaluddin started the lecture by highlighting the

importance of financial education in our lives which however, are seldom taken seriously. He primarily tried to answer the question how to use money? Dr. Jamaluddin clarified that since the

question involved money to make more money the discussion would not involve other value addition which money can make to one's life such as by learning new skills, satisfaction brought by buying long desired novelties, going on a vacation and others. Sticking just to the question of wealth creation, the lecture highlighted the difference between saving from investment. While neither saving nor investment is better in all the circumstances choosing the better alternative is dependent on current financial position of the user. Both Saving and investment has value but the timing to know when, where and how much to save determines the benefits which can be reaped. Saving has limitation in wealth creation because primarily the return interest is very low; secondly inflation devalues the currency and; thirdly income tax on returns depreciates money we save. Solution is such a situation requires creating multiple sources of income. Investment is one such way which creates second source of income. The mantra to wealth then starts saving early, progress from saving to investing, put money to work rather than accumulating and keeping it idle and thereby benefit from the power of compounding.

Dr. Jamaluddin then discussed various options to invest money such as stocks, mutual funds, property, gold, insurance, bank deposits and bonds. He also explained the risk involved in each of these options and also explained the tradeoff returns involved. Investment opportunities with

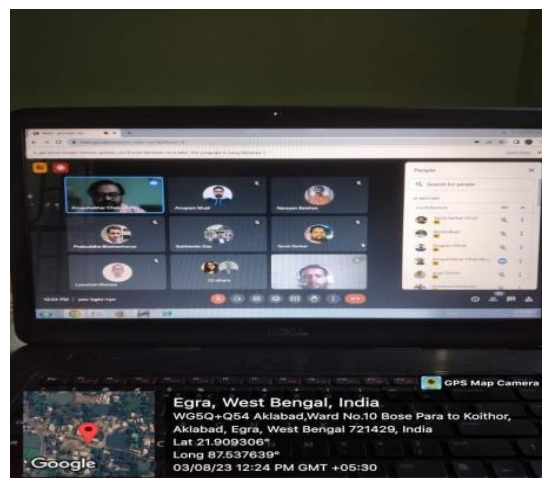
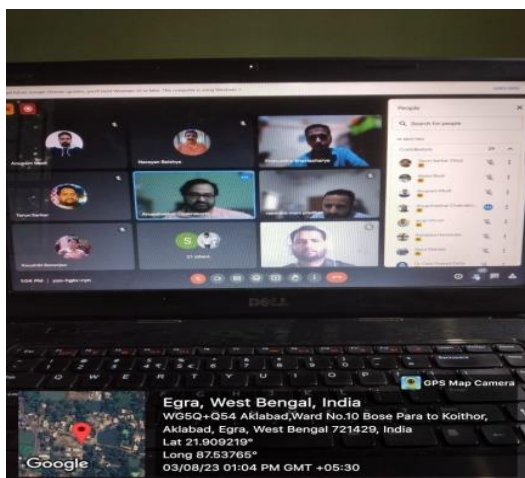
tax benefits and return compensation were also explained. These also included various types of public provident funds as well as various tax savings provisions. Last part of the lecture involved a discussion on Old and New Pension Scheme. The topics discussed in this session were vast and Professor Jamaluddin used mathematical calculations to explain many of these provisions. The lecture ended at 06:00 PM and it was followed by an interactive session where participants raised various questions and sought financial advice from the Professor. The session finally ended at 06:15 PM with a vote of thanks to Dr. Jamaluddin.

(Report Presented by Md Wasim Reja, Roll no: 16 & Rabindra Mani Pradhan, Roll no: 15)

Date: 03.08.2023

Speaker: Dr. Anup Sekhar Chakraborty, Assistant Professor, Department of Political Science & Political Studies, Netaji Institute for Asian Studies, Kolkata

Time Schedule: 10:30 am to 1:30 pm



The UGC-HRDC of University of North Bengal has organized 13th Faculty Induction Programme from 26.07.2023 to 25.08.2023 and today was the Seventh Day of the Course. At the very beginning of the day, Miss Nupur Roy, teacher-participants of FIP-13 took the opportunity to introduce the resource person of the session, Dr. Anup Sekhar Chakraborty, Assistant Professor, Department of Political Science & Political Studies, Netaji Institute for Asian Studies, Kolkata. There were two consecutive lectures in the first session which were delivered by Dr. Chakraborty itself on two different topics. The first lecture was given by him on the topic “Men’s Studies: Ideas and concepts”. In the lecture, Dr. Chakraborty addressed mainly on the discrimination towards men in almost all aspect of gender sensitization and he pointed out that when we discussed about gender inequality, we only spoke about women and LGBT and men never come into account. He concluded the first lecture by saying that men’s relation with women, children, other gender peoples, environment etc. should be smooth for the betterment of the society. Following the speech, a wonderful interactive session was taken place between the resource person and teacher participants.

The second lecture of Dr. Chakraborty was on the topic “Memes and Political Communication”. In the lecture, he explained about the different types of meme and how memes took part in political communication, namely, in the time of election and how memes are used to control the thoughts of people for the electoral gain; it may be in right way or wrong way. He also highlighted some benefits of memes, namely, innovations, social-political-religious messages, cultural values, economic benefit and its importance to make people smile and laugh. Lastly, he also suggested that we should use memes in a proper way so that it did not circulate fake news through social media. In interactive session, participants raised some interesting questions and the speakers clarified and answered them from his end.

Session- III, Time: 02:30PM-04:00PM

Resource Person: Prof. Dilip Maiti, Department of Chemistry, Calcutta University
Topic: Nanoscience and Nanotechnology: An Overview

The screenshot displays a Google Meet interface. On the left, a presentation slide titled "Nanoscience and Nanotechnology: An Overview" is shown. The slide includes the text "Lecture 1: FIP-13, HRDC-NBU" and identifies the speaker as "Dr. Dilip Kumar Maiti, FRSC Professor, Department of Chemistry, University of Calcutta". Below the text are four small images: "Gold Nanoparticles", "Fabrication of Mn(VI)-NPs", "Organic Nanobelts", and "Organic FET Device". On the right, a grid of 12 participant icons is visible, including names like Bipul Mandal, Dilip K. Maiti, Barun Roy, HRDC V2, Ujjal Oraw, nupur roy, Prabuddha Bh..., mamata barua, Kaushiki Bane..., Laxuman Sher..., 17 others, and arup Ghosh.

Prof. Dilip Kumar Maiti, an eminent Professor of Chemistry, University of Calcutta, delivered his lectures on **Nanoscience and Nanotechnology**. He starts his lectures with the basis of nanoscience and its applications of nanotechnology in different sectors. Nanotechnology is being now used in cosmetics, security applications, in barcoding, data storage etc. He gave an example of the application of nanotechnology in the painting of a building that could reduce pollution by decomposing air pollution particles like formaldehyde. Nanotechnology is also being used in the health care system. It can detect diseases earlier for example it can detect the tumor earlier. After the application part is discussed, Prof. Maiti has pointed out about the origin of word nano which came from the Greek word 'Nanos' that means 'Dwarf'. It is not just Chemistry, Physics, Biology, Electronics and Engineering. It's all science and technologies those work with the very small. nanomaterials are of different sizes like optical nanomaterials, electrical nanomaterials, magnetic nanomaterials, physical and chemical nanomaterials. The size of Nanomaterials is dependent on optical properties. After this, he discussed Nano catalysis, its surface Atom Effects. At the end of his lecture, Prof. Maiti analyzed how nanomaterials can be fabricated. He showed the fabrication of Nanoparticles and their properties.

Session- IV, Time: 04:00PM-05:30PM

Resource Person: Prof. Dilip K. Maiti, Department of Chemistry, Calcutta University
Topic: Fabrication of Smart Organic Nanomaterials for Sensors, Inkless Writing and Devices

The image shows a presentation slide on the left and a Zoom meeting interface on the right. The slide has a purple header with the text "FIP-13: HRDC-NBU-2023" and "Fabrication of Smart Organic Nanomaterials for Sensors, Inkless Writing and Devices". Below the header is the logo of Calcutta University and the name "Dr. Dilip K. Maiti, FRSC Professor, Department of Chemistry, CU". The Zoom interface shows a grid of 12 participants, including Dilip K. Maiti, Pallab Das, Kaushiki Bane..., Prabuddha Bh..., rahul panda, SAGATA MON..., Laxuman Sher..., HRDC V2, nupur roy, mamata barua, 12 others, and arup Ghosh.

Organic Electronics and Their Prospect

- (1) Organic electronics is a branch of electronics that deals with conductive organic compounds which are carbon based.
- (2) Inorganic electronics, on the other hand, relies on inorganic conductors like copper or silicon.
- (3) For the past five decades, inorganic semiconductors (Si, Ga, As) and metal conductor (Cu, Al) have been the backbone of the electronic industry.
- (4) Innovative organic materials play a vital role toward outstanding improvement of semiconducting, conducting, photoluminescence, storage and display performances.
- (5) Organic electronic products are lighter, more flexible and less expensive than their inorganic counterparts.
- (6) Organic materials are non-magnetic.
- (7) Electronic and optical property can easily be tuned by structure modification which is not possible in silicon electronics.
- (8) This opens up the door to many exciting and advanced new applications that would be impossible using copper or silicon.
- (9) These are also biodegradable (being made from carbon).

The slide includes a 3D model of a circuit board and a diagram of a molecular structure.

Inkless Writing and Self-Erasing Security Feature of (Z)-1,2-Diarylacrylonitrile-Based Materials: A Confidential Data Communication

The diagram illustrates the process of inkless writing and self-erasing. It shows a stack of materials being heated with DMSO, resulting in inkless writing. The process is then shown being reversed by heating, which erases the writing. The resulting material is shown being printed under different light conditions: ambient light and UV light. The text below the diagram states: "We developed a cost-effective and environmentally friendly printing/writing technology for temporary communication that are confidential and multiphase luminochromic behaviour for security and anti-counterfeiting application." The citation is "Tamas & Manas, ACS Appl. Mater. Interfaces 2018, 10, 29100-29106".

In the second session of his deliberation, he talked about smart organic nanomaterials for sensors, inkless writing and devices. He talked about how organic nanomaterials can be fabricated and can use for different kinds of applications. For this to explain, he gives an example of a solar cell with pentacene nanomaterials. He told the way of making organic nanomaterials for making devices. He enlightens us by saying about organic electronics and their prospects. He said organic electronic products are much lighter, more flexible and less expensive than other inorganic counterparts. Electronic and optical properties can easily be tuned by structure modifications, these are also biodegradable. Actually, the benefits of organic nanomaterials are discussed. Another example he gave, the organic-nanofiber platform for sensing lethal phosgene gas. Phosgene is a colorless poisonous gas utilized as a chemical warfare agent in World war-I. So he discussed two things, one is organic nanomaterials for sensing and then he discussed another one sensing cyanide. Then he told about another nanomaterial which is the inkless writing that means a pen without any ink, with switch on the pen, it will hot and can be able to write. In place of ink there are battery over there. This is another application of nanotechnology.

Report Submitted by
Arup Ghosh, Roll 18
Tarun Sarkar, Roll 19

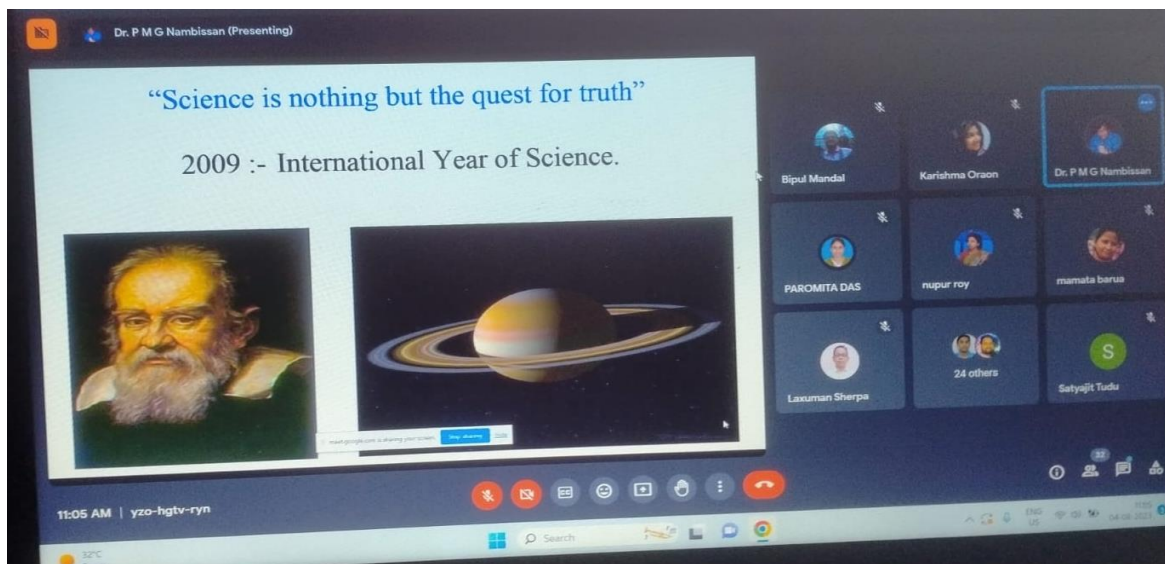
Date: 04.08.2023

Session- I

Time: 10:30 a.m. to 12:00 p.m.

Resource Person: Professor P.M.G Nambissan, Applied Nuclear Physics Division of Saha Institute of Nuclear Physics, Kolkata.

Topic: “Science and Scientists- The Indian Legacy of Scientific Research”



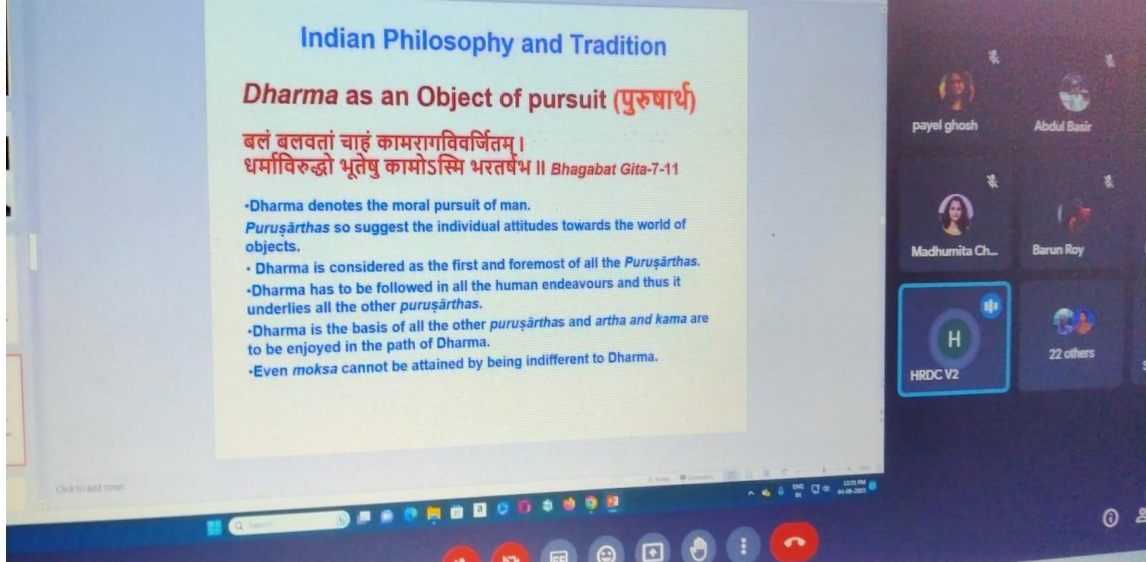
The UGC-HRDC of University of North Bengal has organized 13th Faculty Induction Programme from 26.07.2023 to 25.08.2023 and today was the Eighth Day of the Course. The day began with a keynote address by Prof. Sanjib Chakraborty. There were two consecutive lectures in the first session (from 10:30 a.m. to 01:30 p.m.). The first lecture was delivered by Professor P.M.G Nambissan. He is the senior professor of Applied Nuclear Physics Division of Saha Institute of Nuclear Physics, Kolkata. The title of his paper is “Science and Scientists- The Indian Legacy of Scientific Research”. At the very beginning he spoke about the Saha Institute of nuclear physics; it is an institution of advance research and training in physical and biophysical sciences. He discusses various theories about the evolution of science. He explained very simply how science is nothing but the quest for the truth. Interestingly he not only explained the nature and character of science but also elaborated the evaluation and road-map of science by putting forward only eight questions and they are “why? When? What? How? For What? Who? Which? and the last one is Then?” He also explained about the nanotechnology and nanomaterials. How the field of Nanotechnology could change the way things are now.

Session- II

Time: 12:30 p.m. to 01:30 p.m.

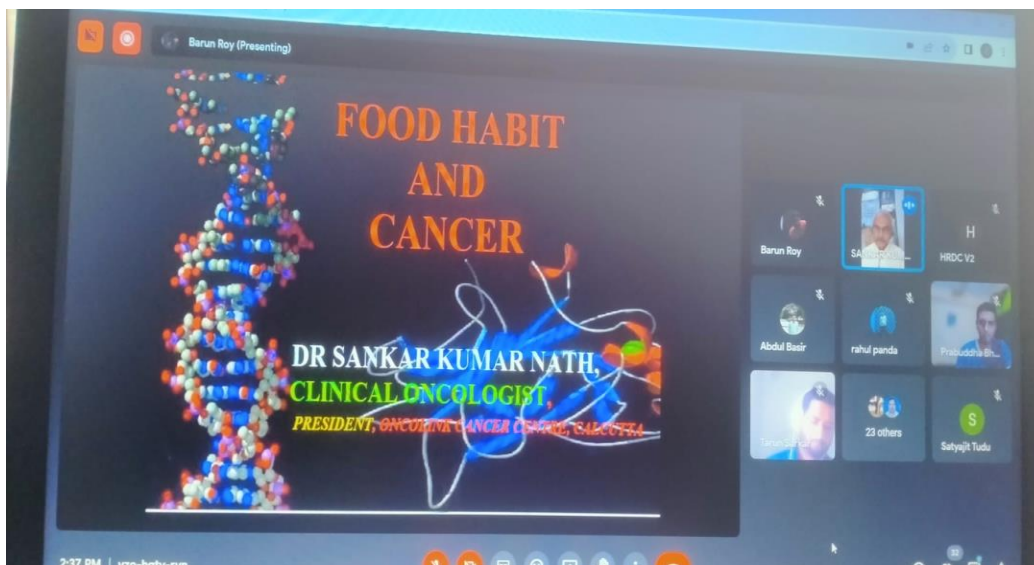
Resource Person: Professor Laxmikant Padhi, Professor of Philosophy, University of North Bengal, Siliguri, Darjeeling

Topic: “Who is a valuable being? An analysis from Moral Philosophy and Indian Ethics (Nitishastra)”



Second resource person was **Professor Laxmikant Padhi**, Professor of Philosophy, University of North Bengal, Siliguri, Darjeeling. The title of this presentation is “Who is a valuable being? An analysis from Moral Philosophy and Indian Ethics (Nitishastra)”. He discussed about values of individuals that motivate people to act one-way or another. They serve as a guide for human behavior. Generally, people are raised with their values. People also tend to believe that those values are right because they are the values of their particular culture. Also explained how morality helps us distinguish between right and wrong, it helps us understand how to live a good life based on the values we hold sacred. It enables us to see the consequences of our actions and it motivates us to do what is right. Without morality, we would be lost in a world of confusion and chaos.

Session- III & IV (Time: 02:30 p.m. - 05:30 p.m.)
Resource Person: Dr. Sankar Kumar Nath, Clinical Oncologist, President of Oncolink Cancer Center, Kolkata
Topic: “Food Habit and Cancer”



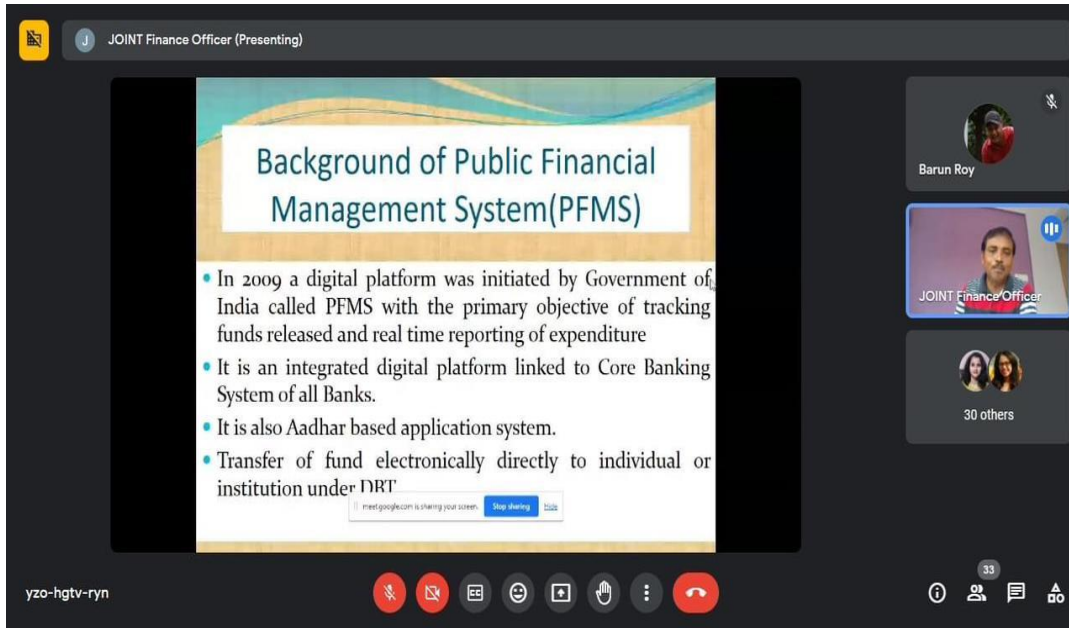
The third resource person is Dr. Sankar Kumar Nath, Clinical Oncologist, President of Oncolink Centre, Kolkata. The title of his paper was “Food Habit and Cancer”. He elaborated many aspects about the cancer in the human body. He said that about 60-65% of all cancer cases are preventable. Prevention offers the most effective long-term strategy for the control of Cancer. He ends with a great piece of information about diet and the prevention of cancer. He advised us to eat a diet rich in fruits, Vegetables and whole grains, to consume at least half cup (300 grams) of fruits and vegetables daily, to lower our intake of processed meats, smoking, salt and preserved foods. He emphasized the need for physical activity of at least 30 minutes a day, 5 times a week.

It could be said that the above lectures of the eminent resource persons are nothing but an intellectual feast for the teacher participants. And they have benefited greatly from those lectures.

Report Submitted on 04.08.2023 by

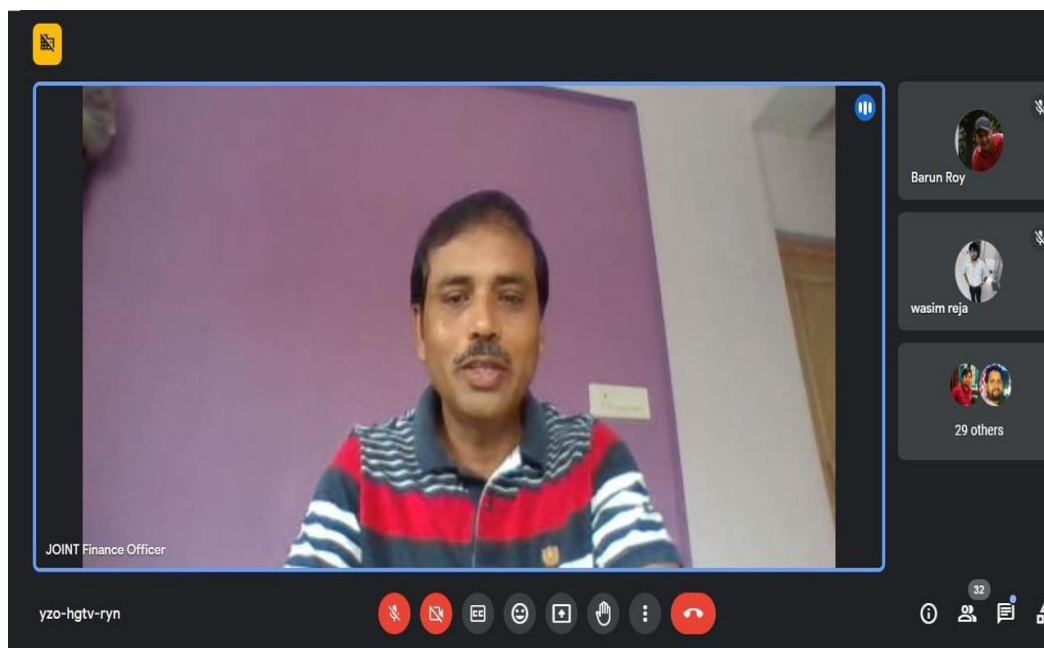
Koushik Chakraborty, Roll No. 20 & Satyajit Tudu, Roll No. 21

Date: 05.08.2023
Session: I, Time: 10:30 AM-12PM
Resource Person- Dr. Debasish Pal
Topic: 'PFMS' (Public Financial Management System)



The 13th Faculty Induction Programme (FIP-13th) is organized by UGC- Human Resource Development Center, University of North Bengal. On the 1st half of the day 9th of FIP-13th, Dr. Mossaraf Hossain Sir, the joint coordinator of FIP-13th told our ICT team member to give a brief introduction of today's resource person. Then one of our ICT team members welcomed today's eminent resource person Dr Debasish Pal, who is the Joint Finance Officer of Jadavpur University. Before started our today's 1st session, Dr Debasish Pal Sir address the entire teacher participants to give their self-introduction. After the entire teacher participants introduced themselves, Dr D. Pal Sir started delivering a lecture on the first topic of 'PFMS' (Public Financial Management System). First, he introduced us what is PFMS, and how does it work? He also told us that before 2015 it was too difficult to get funds for any project from the PFMS platform but now it is easy to get funds from PFMS. Then he discussed DBT System, Core Banking System and ECS System with us. He also discussed with us the 4 modules of PFMS and later he discussed all the modules of PFMS in detail, which is highly beneficial to us.

Session: II, Time: 12:00 PM-1:30PM
Resource Person- Dr. Debasish Pal
Topic: Establishment related Salary, Compensation and the Promotional Benefit,
Especially for the College or University Teachers.

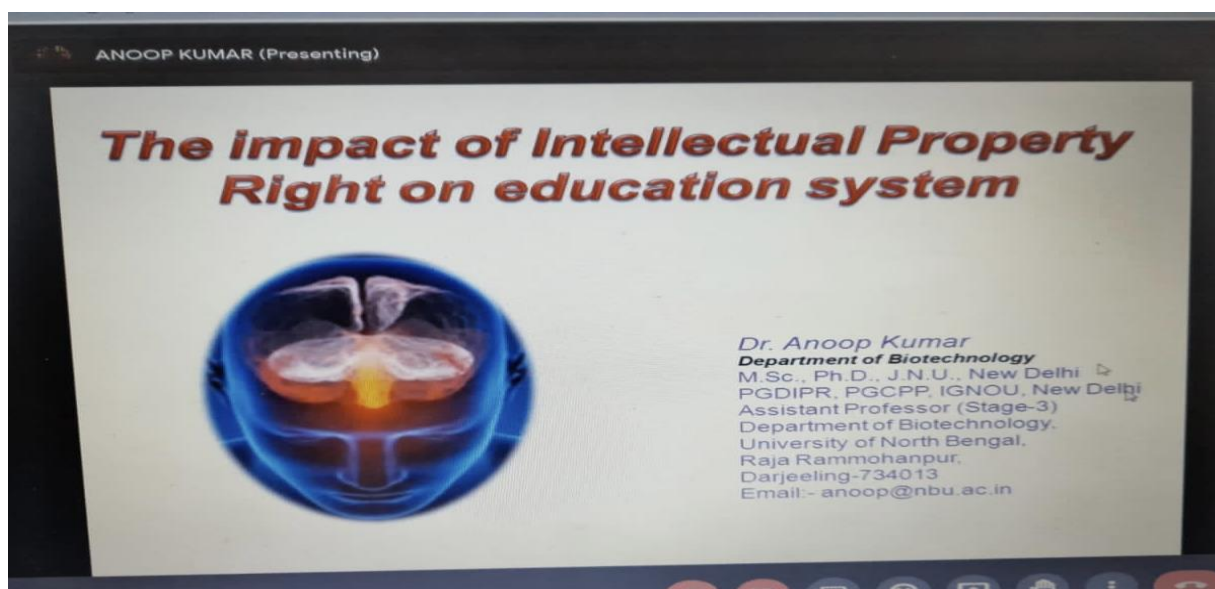


After the discussion about PFMS, Sir gives us 5 minutes break and after the break, he delivered his lecture on the 2nd topic of ‘Establishment related Salary, Compensation and the Promotional Benefit, Especially for the College or University Teachers.’ Here he discussed with us that according to the UGC, what is the pay structure of college as well as university teachers, and also he stated that in West Bengal, the university’s officer pay structure also acts per the UGC structure. He also discussed with us the new system of payment i.e. pay matrix. In this session, he discussed the uniform date on increment, index of rationalization, promotional fixation and the pay structure of entry-level of PhD is. Before end of the today’s session, he briefly discussed the UGC regulation for the appointment of teachers and other academic staff in universities and colleges and measures for the maintenance of standards in higher education. Interactive session was started at 1.30 P.M. Many teacher participants raised their question and queries regarding their service related, and Dr. Debasish Pal sir answered all the questions and queries satisfactory. The session was concluded at 1:45 P.M by a vote of thanks to Dr. Debasish Pal Sir.

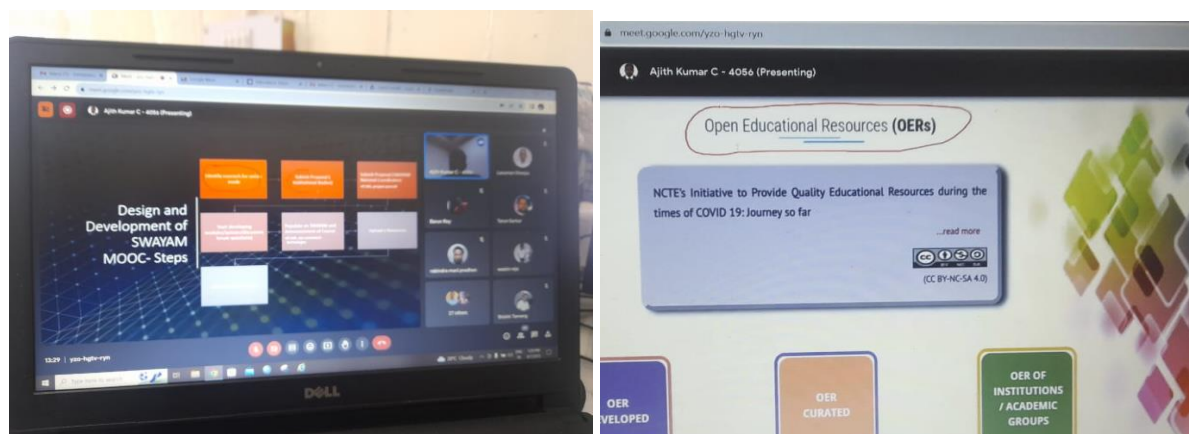
In the 2nd half of day 9th of FIP-13th, there was no afternoon session.

Date: 07.08.2023

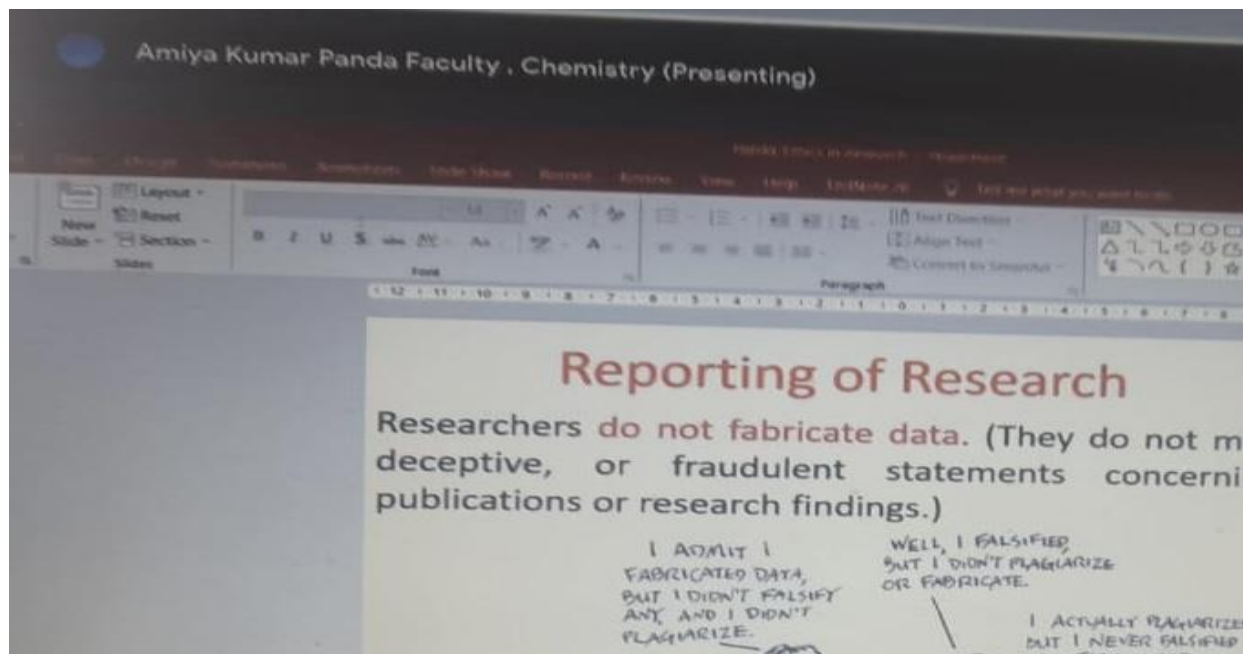
Session I: 10:30 a.m. – 12:00 Noon: Prof. Anoop Kumar, Dept. of Biotechnology, NBU
Session II: 12:00 noon – 1:30 p.m.: Dr. Ajit Kumar, Assistant Professor (Stage II), IGNOU
Session III: 2:30 p.m. – 4:00 p.m.: Prof. Amiya Kumar Panda, Dept. of Chemistry,
Vidyasagar University
Session IV: 4:00 p.m. – 5:30 p.m.: Prof. Ranjan Rai, Dept. of Geography, NBU



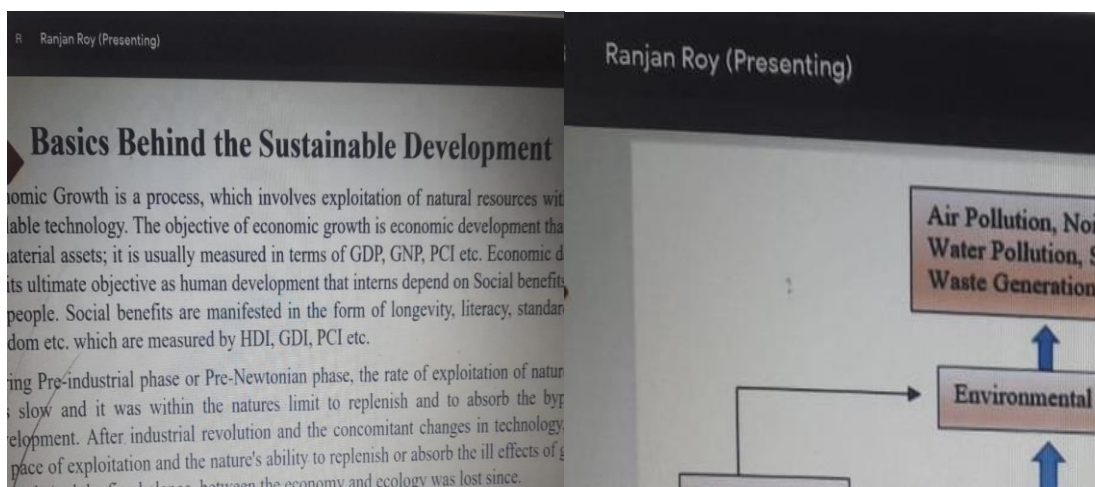
We have started the first session of the 10th Day of FIP by Dr. Mossaraf Hossain, Jt. Coordinator, HRDC, NBU welcoming Prof. Anoop Kumar giving a brief description about him. The topic of the first session was very important and relevant which is “**Impact of Intellectual Property Right on Education System**”. Professor Anoop Kumar highlighted some important key notes on how we can protect our intellectual property and elaborately explains about patentable and non-patentable inventions, copyright, trademarks, trade names and service marks. He delivered his lectures on the said topic with an impactful PPT which was very much informative and valuable.



After the end of the first session at twelve o'clock, we started our second session by our second Resource Person, Dr. Ajit Kumar. His topic was **“Design and Development of SWAYAM MOOCS”** which was an important and interesting topic of today’s session. He focused on the Learning Management System (LMS), Online Teaching, Offline Teaching, Open and Distance Learning, Blended Form of Learning etc. Further he added in his presentation Four Quadrant Approach which is very much important for digital teaching learning methods. His session was also very interesting and fruitful.



Third session was started at 1:30 p.m. after the lunch break by Professor Amiya Kumar Panda of Vidyasagar University. His topic was **“Ethics in Science and research”**. He started his lectures by sharing his presentation on the topic. He highlighted especially on the moral foundation of Research. He also further focused in his lectures on Falsification, Fabrication and Plagiarism. He delivered a very enriching lectures which were based on Research Methodology.



Our last and fourth session started just at the end of the third session at 4:00 p.m. by Prof. Ranjan Roy of University of North Bengal. His topic was “**Sustainable Development**”. He also started his lectures by sharing his presentation which was very descriptive and knowledgeable. He mainly focused on economic development, social benefits and environmental damage. He told us about sustainable development and Balanced Development. He also highlighted the 17 Sustainable Development Goals which were declared by the UNO such as no poverty, zero hunger, good health and wellbeing, social and environmental challenges, etc. His lecture was also very much effective and enriching.

With regards,

KAUSAR ANSARI

ASSISTANT PROFESSOR IN HISTORY (W.B.E.S.)

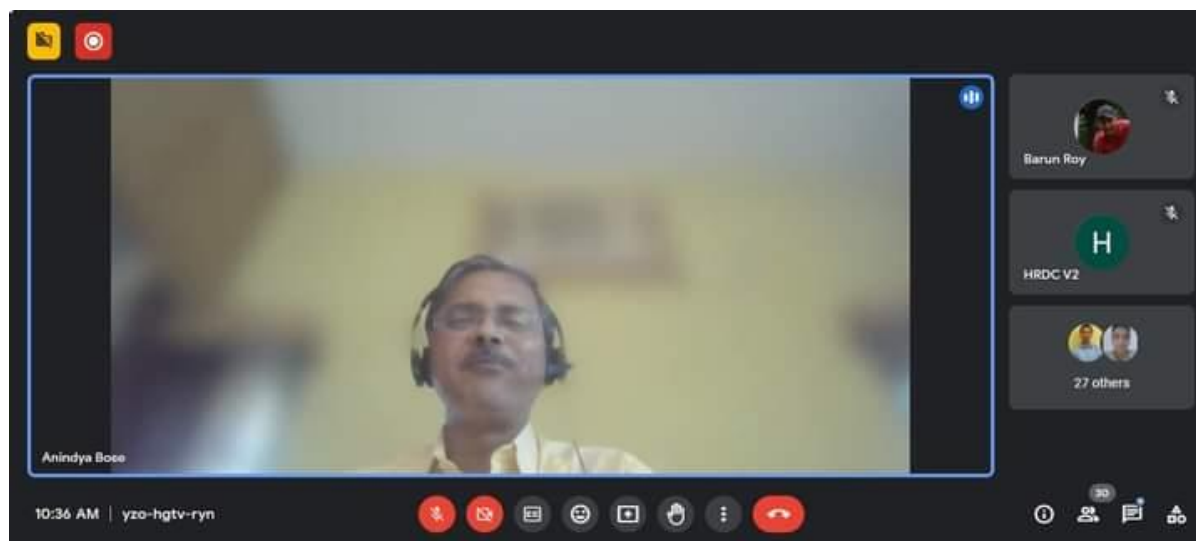
GOVERNMENT GENERAL DEGREE COLLEGE AT PEDONG

CLASS ROLL NO 24

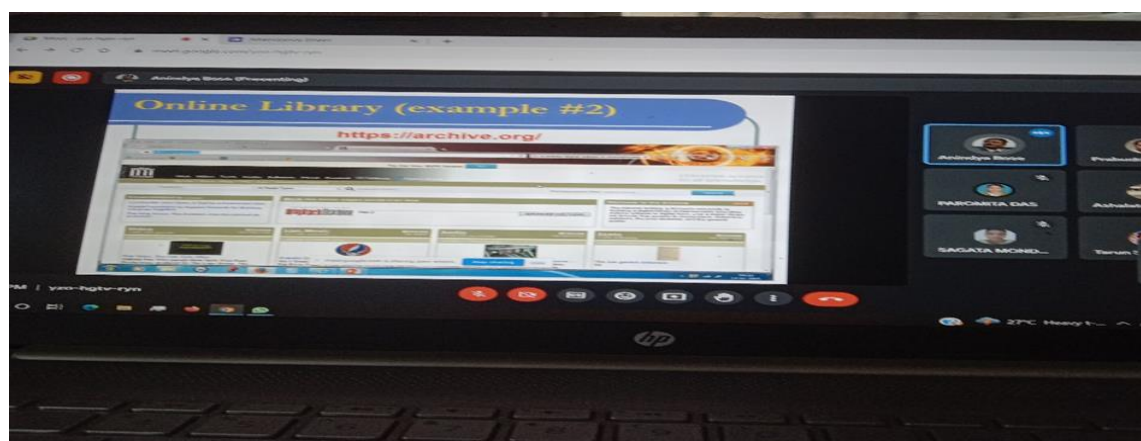
Date -08/08/2023

First Session (10:30-12:00)

Speaker: Prof Anindya Bose, department of Physics, University of Burdwan



On the 11th day of the FIP Programme i.e., the programme on 8/8/23 has been divided into four sessions. For the first session (10:30-12:00), Prof Anindya Bose, department of physics, University of Burdwan was the resource person. The topic of his lecture was common ICT Tools in HEIS. He gave us the basic idea of how to use E-sources in education. There are various E-sources are available such as Shawyam, Ignou, NPTEL, etc., and the importance of a data-driven Society i.c the value of information. How to use the online library /digital library. He also brought in source examples before us.



In the second session (12:00-1:30 pm), Prof Anindya Bose highlighted how to use free resources and security issues. He gives us the suggestion that our computers are at home or at the office, we should be aware of cyber security while we are using the Internet and or Net banking. He also teaches us the use of common productivity tools which is available in e-sources. At the end of the lecture, Prof Bose answered all the questions asked by the different participants and cleared all doubts.

Afternoon Session: 2:30-4:00 pm.

Speaker: Dr. Nandan Bhattacharyya, assistant director of Jadavpur University



In the third session (2:30-4:00 pm.) Dr Nandan Bhattacharyya, assistant director of Jadavpur University was the second resource person. The topic of his lecture was “Alternative Theatre: Alternative Teaching”. Prof Bhattacharyya gave us a basic idea about theater. This session is a more interactive session because most of the participants were involved. He discussed different topics like the classification of theatre according to activity, the root map of the theatre, the effect of therapy and theater in education, etc..

Time Slot: 4:00-5:30 pm

Speaker: Dr. Dipsikha Acharya, Assistant Professor, Department of History, University of North Bengal



In the last session (4:00-5:30 pm), Dr. Dipsikha Acharya, Assistant Professor, Department of History, University of North Bengal was the third resource person. The topic of her lecture was “The Courage of Knowing and Unknowing History: A Case Study on the Use of Iron.” She has informed us about the origin of iron metal and its use in ancient times. The process of early iron extraction has been shown with a diagram. She gave us the idea that came in the latter half of the nineteenth century, a new wave of thought came to shape the world. It had been started to believe that diffusion and migration were of significant influence in the course of human history. To evade the economic and social conflicts between the different European nations, emphasis was given to racism. In James Mills, History of British India glimpses of his liberal views of visualizing Indian society had been found.

Altogether, the session was more interesting and informative.

[Mamata Barua / roll no -26 and Abdul Basir/ roll no-27]

SCHEDULE FOR 13th FACULTY INDUCTION PROGRAMME (FIP-NBU-13)
THIRD WEEK

DATE	TIME	TOPIC	RESOURCE PERSON/ ADJUDICATOR	Email Id
09.08.2023 Wednesday	10.30 – 12.00	Seminar Presentation Group A1: 1. Pallab Kumar Das Roll No. 5 Topic: Basic block diagram of communication system 2. Nupur Das Roll No. 7 Topic: Application of Derivatives: Applied Maximum and Minimum Problem 3. Dr. Debi Prasad Datta Roll No. 11 Topic: The Nature of Light	Dr. Sanjib Bhattacharya, HRDC, NBU	Email of Presenters 1. pallab.das86@gmail.com 2. roynupurappmath@gmail.com 3. debipr@gmail.com Email of the Resource Person/Adjudicator 1. sanjib_ssp@yahoo.co.in
	12.00 – 1.30	Seminar Presentation Group A2: 1. Dr. Prabuddha Bhattacharya Roll No. 13 Topic: Chirality 2. Mamata Barua Roll No. 26 Topic: Pearson's HSAB Principle	Dr. Mossaraf Hossain, HRDC, NBU	Email of Presenters 1. b.prabuddha3@gmail.com 2. baruamamata@gmail.com Email of the Resource Person/Adjudicator 1. hossainmossaraf@gmail.com
		Seminar Presentation Group A3: 1. Anupam Mudi Roll No. 6 Topic: Ocean Acidification, the bubbles	Dr. Arpan Kr. Maiti, Zoology, NBU	Email of Presenters 1. pam67sm@gmail.com 2. sagatamondal086@gmail.com 3. ashahembram6789@gmail.com 4. shritamang7@gmail.com

		<p>goes up.</p> <p>2. Dr. Sagata Mandal Roll No. 10 Topic: Different Methods and Techniques Used for Insect Collection and Preservation</p> <p>3. Ashalata Hembram Roll No. 23 Topic: Hypertension</p> <p>4. Shishir Tamang Roll No. 25 Topic: Polymerase Chain Reaction (PCR)</p>		<p>Email of the Resource Person/Adjudicator</p> <p>1. arpankrmaiti@nbu.ac.in</p>
	2.30 – 4.00	<p>Seminar Presentation Group C1</p> <p>1. Paromita Das Roll No. 1 Topic: Progressive Society in the context of inclusive education: A paradigm shift in post independence India</p> <p>2. Dr. Barun Roy Roll No. 2 Topic: Invoking Myths in Conflict Reporting: Evidences from Gorkhaland Agitation in India</p> <p>3. Kaushiki Banerjee Roll No. 14 Topic: Money and Inflation: A Brief Overview</p> <p>4. Rabindra Mani Pradhan Roll No. 15 Topic: India's</p>	Dr. Swagata Ghosh, Assistant Professor, Dept of Philosophy, NBU	<p>Email of Presenters</p> <p>1. paromitadasnbu@gmail.com 2. barunroy@nbu.ac.in 3. kaushikibanerjee135@gmail.com 4. rabindamani_pradhan@yahoo.com</p> <p>Email of the Resource Person/Adjudicator</p> <p>1. ghoshswagatanbu@nbu.ac.in</p>

		Approach to Russia Ukraine War: Strategic Ambivalence or Strategic Autonomy?		
	4.00 – 5.30	<p>Seminar Presentation Group B1</p> <ol style="list-style-type: none"> 1. Bipul Mandal Roll No. 8 Topic: Adwaita Mallabarman er uponyashe antaja srenir somaj o jibon dorshon 2. Rahul Panda Roll No. 12 Topic: Fundamental Safeguards of Indian Citizens and the Significance of Writ Petitions 3. Satyajit Tudu Roll No. 21 Topic: Padda nadir majhi anchalik uponyash 4. Ujjal Oraw Roll No. 22 Topic: শচীন্দ্রনাথ বন্দ্যোপাধ্যায়ের জেগুয়ার; গল্পে নাগরিক সভ্যতার মানুস ও জারোয়া উপজাতি 	Dr. Utpal Mondal, Bengali, NBU	<p>Email of Presenters</p> <ol style="list-style-type: none"> 1. bipulmandal2602@gmail.com 2. rahulpanda213@gmail.com 3. satyajittudu191@gmail.com 4. ujjaloraw91@gmail.com <p>Email of the Resource Person/Adjudicator</p> <ol style="list-style-type: none"> 1. utpalnbu@yahoo.com utpalnbul7@gmail.com
10.08.2023 Thursday	10.30 – 12.00	<p>Seminar Presentation Group B2</p> <ol style="list-style-type: none"> 1. Sukhendu Das Roll No. 3 Topic: Metaphysical Poetry: An Introduction 2. Karishma Oraon Roll No. 9 	Prof. Sumit Ray, English, NBU	<p>Email of Presenters</p> <ol style="list-style-type: none"> 1. sukhendujimmy@gmail.com 2. karishmawb1@gmail.com 3. payelghosh191@gmail.com 4. laxmansh17@gmail.com 5. nbaishya964@gmail.com <p>Email of the Resource Person/Adjudicator</p>

		<p>Topic: “My Last Duchess” by Robert Browning – A critical appreciation of the poem.</p> <p>3. Payel Ghosh Roll No. 17 Topic: Blood of Other Days: Temsula Ao (discussion of text and context)</p> <p>4. Laxuman Sherpa Roll No. 4 Topic: Introduction to the DDC and its usage</p> <p>5. Narayan Chandra Baishya Roll No. 29 Topic: The Assamese literature - A brief note</p>		<p>1. ray77sumit@gmail.com</p>
	12.00 – 1.30	<p>Micro-teaching Session Group C1</p> <p>1. Paromita Das Roll No. 1 Topic: Stress Management</p> <p>2. Dr. Barun Roy Roll No. 2 Topic: Media and Gender</p> <p>3. Kaushiki Banerjee Roll No. 14 Topic: The discovery & mysteries of Harappa</p> <p>4. Rabindra Mani Pradhan Roll No. 15 Topic: Classical Realism and International</p>	<p>Dr. Ujjwal Bhu, Professor, CHS, NBU</p>	<p>Email of the Presenters of the Micro Teaching Session</p> <p>1. paromitadasnbu@gmail.com 2. barunroy@nbu.ac.in 3. kaushikibanerjee135@gmail.com 4. rbindamani_pradhan@yahoo.com</p> <p>Email of the Resource Person/Adjudicator</p> <p>1. bhui.u_sochsnbu@yahoo.co.in</p>

		Relations		
	2.30 – 4.00	Seminar Presentation Group C2 <ol style="list-style-type: none"> Md Wasim Reja Roll No. 16 Topic: Public and Private Administration Arup Ghosh Roll No. 18 Topic: Philosophy of Indian Constitution Tarun Sarkar Roll No. 19 Topic: Theories of Punishment 	Dr. A. K. Jana, Pol. Sc., NBU	Email of Presenters <ol style="list-style-type: none"> rejasim1@gmail.com arupnbu@gmail.com sarkartarun0309@gmail.com Email of the Resource Person/Adjudicator <ol style="list-style-type: none"> arunkantijana@nbu.ac.in
	4.00 – 5.30	Kaushik Chakraborty Roll No. 20 Topic: The Discovery and Mysteries of Harappa Kausar Ansari Roll No. 24 Topic: Tipu Sultan: The Tiger of Mysore Abdul Basir Roll No. 27 Topic: Causes of the Revolt of 1857 Dr. Madhumita Das Roll No. 28 Topic: Causal Explanation in Science	Dr. P. Verma, History, NBU	Email of Presenters kc.hist90@gmail.com mr.kausaransari@gmail.com a.basir84basir@gmail.com cmadhumita526@gmail.com Email of the Resource Person/Adjudicator mail.preeya@gmail.com
11.08.2023 Friday	10.30 – 12.00	Micro-teaching Session Group A1 <ol style="list-style-type: none"> Pallab Kumar Das Roll No. 5 Topic: Basic block diagram of communication system Nupur Roy Roll No. 7 	Dr. Sanjib Bhattacharya, HRDC, NBU	Email of the Presenters of the Micro Teaching Session <ol style="list-style-type: none"> pallab.das86@gmail.com roynupurappmath@gmail.com debipr@gmail.com Email of the Resource Person/Adjudicator <ol style="list-style-type: none"> sanjib_ssp@yahoo.co.in

		<p>Topic: Application of Derivatives: Applied Maximum and Minimum Problem</p> <p>3. Debi Prasad Datta Roll No. 11 Topic: The Nature of Light</p>		
		<p>Micro-teaching Session Group A2</p> <p>1. Dr. Prabuddha Bhattacharya Roll No. 13 Topic: Chirality</p> <p>2. Mamata Barua Roll No. 26 Topic: Pearson's HSAB Principle</p>	<p>Dr. Mossaraf Hossain, HRDC, NBU</p>	<p>Email of the Presenters of the Micro Teaching Session</p> <p>1. b.prabuddha3@gmail.com 2. baruamamata@gmail.com</p>
	12.00 – 1.30	<p>Micro-teaching Session Group C2</p> <p>1. Md Wasim Reja Roll No. 16 Topic: Public and Private Administration</p> <p>2. Arup Ghosh Roll No. 18 Topic: Philosophy of Indian Constitution.</p> <p>3. Tarun Sarkar Roll No. 19 Topic: Environmental Degradation in Post Independent India: Some Ethical Insights</p> <p>4. Kaushik Chakraborty Roll No. 20 Topic: The Discovery & Mysteries of</p>	<p>Dr. P. Verma, History, NBU</p>	<p>Email of the Presenters of the Micro Teaching Session</p> <p>1. rejasim1@gmail.com 2. arupnbu@gmail.com 3. sarkartarun0309@gmail.com 4. kc.hist90@gmail.com 5. mr.kausaransari@gmail.com 6. a.basir84basir@gmail.com 7. cmadhumita526@gmail.com</p> <p>Email of the Resource Person/Adjudicator</p> <p>1. mail.preeya@gmail.com</p>

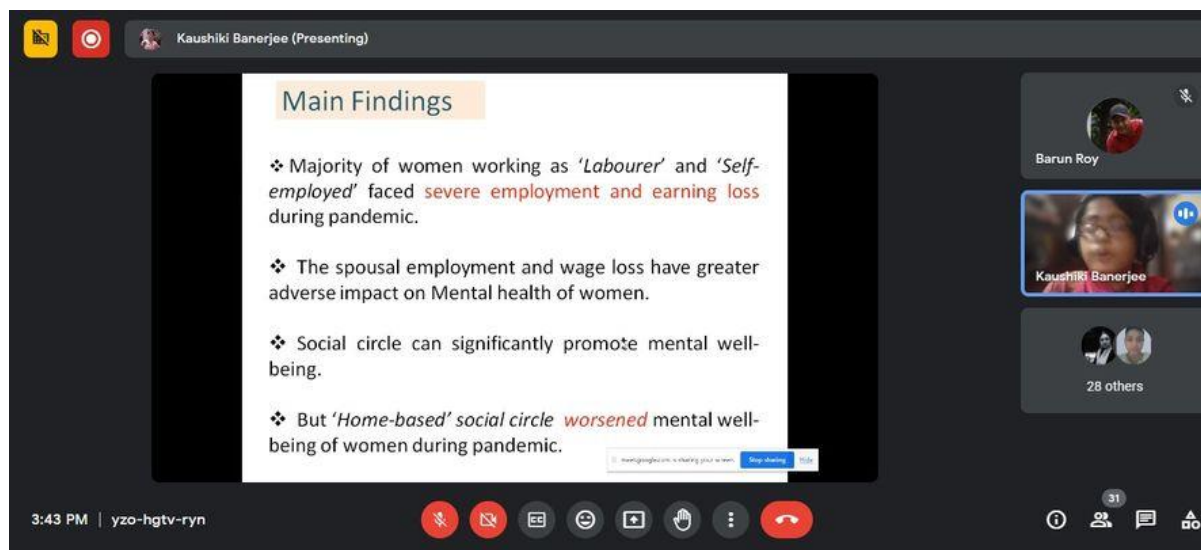
		<p>Harappa</p> <p>5. Kausar Ansari Roll No. 24 Topic: Polity, Society and Economy</p> <p>6. Abdul Basir Roll No. 27 Topic: Causes of the Revolt of 1857</p> <p>7. Dr. Madhumita Das Roll No. 28 Topic: Causal Explanation in Science</p>		
		<p>Micro-teaching Session</p> <p>Group A3</p> <p>1. Anupam Mudi Roll No. 6 Topic: Characteristics of Cancer Cells</p> <p>2. Dr. Sagata Mandal Roll No. 10 Topic: Different methods and techniques used for insect collection and preservation</p> <p>3. Ashalata Hembram Roll No. 23 Topic: Hypertension</p> <p>4. Shishir Tamang Roll No. 25 Topic: Polymerase Chain Reaction (PCR).</p>	Dr. Arpan Kr. Maiti, Zoology, NBU	<p>Email of the Presenters of the Micro Teaching Session</p> <p>1. pam67sm@gmail.com</p> <p>2. sagatamondal086@gmail.com</p> <p>3. ashahembram6789@gmail.com</p> <p>4. shritamang7@gmail.com</p> <p>Email of the Resource Person/Adjudicator</p> <p>1. arpankrmaiti@nbu.ac.in</p>
	2.30 – 4.00	<p>Micro-teaching Session</p> <p>Group B1</p> <p>1. Bipul Mandal Roll No. 8 Topic: Adwaita Mallabarman er uponyashe antaja srenir</p>	Dr. Utpal Mondal, Bengali, NBU	<p>Email of the Presenters of the Micro Teaching Session</p> <p>1. bipulmandal2602@gmail.com</p> <p>2. rahulpanda213@gmail.com</p> <p>3. satyajittudu191@gmail.com</p> <p>4. ujjaloraw91@gmail.com</p>

		<p>somaj o jibon dorshon</p> <p>2. Rahul Panda Roll No. 12 Topic: Fundamental Safeguards of Indian Citizens and the Significance of Writ Petitions</p> <p>3. Satyajit Tudu Roll No. 21 Topic: Manik Bandopadhyay's Nobel 'Padma River' is a regional novel.</p> <p>4. Ujjal Oraw Roll No. 22 Topic: শচীন্দ্রনাথ বন্দ্যোপাধ্যায়ের 'জেগুয়ার' গল্পে নাগরিক সভ্যতার মানুষ ও জারোয়া উপজাতি</p>		<p>Email of the Resource Person/Adjudicator</p> <p>2. utpalnbu@yahoo.com utpalnbu17@gmail.com</p>
4.00 – 5.30	<p>Microteaching Session</p> <p>Group B2</p> <p>1. Sukhendu Das Roll No. 3 Topic: Metaphysical Poetry: An Introduction</p> <p>2. Karishma Oraon Roll No. 9 Topic: My Last Duchess " by Robert Browning - A critical appreciation of the poem</p> <p>3. Payel Ghosh Roll No. 17 Topic: Blood of Other Days: Temsula Ao (discussion of text and context)</p>	Prof. Sumit Ray, English, NBU	<p>Email of the Presenters of the Micro Teaching Session</p> <p>1. sukhendujimmy@gmail.com 2. karishmawb1@gmail.com 3. payelghosh191@gmail.com 4. laxmansh17@gmail.com 5. nbaishya964@gmail.com</p> <p>Email of the Resource Person/Adjudicator</p> <p>1. ray77sumit@gmail.com</p>	

		<p>4. Laxuman Sherpa Roll No. 4 Topic: Introduction to the DDC and its usage</p> <p>5. Narayan Chandra Baishya Roll No. 29 Topic: Dr. Bhupen Hazarika: ADemocratic Thinking in Some Specific Songs</p>		
12.08.2023 Saturday	10.30 – 12.00	Women and Men: Her Rights, Her Story	Dr. Ranjita Chakraborty, Professor, Dept. of Political Science, NBU	Email of the Resource Person 1. ranjitac.slg@gmail.com
	12.00 – 1.30	Blended Learning as Technology Enabled Learning in Classroom	Dr. Santanu Mukherjee, Regional Director, IGNOU	
13.08.2023 SUNDAY	SUNDAY / HOLIDAY			
14.08.2023 Monday	10.30 – 12.00	Quantitative and Qualitative Aspects of Development	DR. ACHIN CHAKRABORTY, Professor & Director, IDSK	
	12.00 – 1.30	Anthropocin change in the environment globally	DR. KALYAN RUDRA, Chairman, WB State Pollution Board	
	2.30 – 5.30	Film language and Film Medium as a multidisciplinary text	MR. SOURAV SARKAR, Film-maker, Kolkata, West Bengal	
15.08.2023 Tuesday	INDEPENDENCE DAY / HOLIDAY			

Date: 9.08.2023

The day commenced with a keynote address by Prof. Sanjib Chakraborty at the University of North Bengal. The address was attended by 29 participants, alongside the Director of UGC-HRDC and the Assistant Director of UGC-HRDC. On the same day, there were seminar presentations by the teacher participants.



DATE	TIME	TOPIC
09.08.2023 Wednesday	10.30 – 12.00	Seminar Presentation (Group-A1: Roll No: 5, 7, 11)
	12.00 – 1.30	Seminar Presentation (Group-A2: Roll No: 13, 26// Group-A3: Roll No. 6, 10, 23, 25)
	2.30 – 4.00	Seminar Presentation (Group-C1: Roll No. 1, 2, 14, 15)
	4.00 – 5.30	Seminar Presentation (Group-B1: Roll No: 8, 12, 21, 22)

From 10:30 to 12:00, there were paper presentations for Group A1, with participants bearing Roll Numbers 5, 7, and 11.

Roll Number 5 belonged to Pallab Kumar Das, a participant from the Department of Electronics at Behala College. During the session, Pallab Kumar Das presented a comprehensive study focused on the intricate exploration of "Study on the Series Resistance

of Organic Dye-based Devices." His presentation delved into the complexities of the subject matter, offering valuable insights into the dynamics of organic dye-based devices and their series resistance.

Roll Number 7 corresponded to Nupur Roy, a participant hailing from the Department of Mathematics at Calcutta Girls College. In the course of the session, Nupur Roy delivered an engaging presentation that delved into the insightful exploration of "Use of Technology in Education for Wellbeing." Her talk delved into the innovative ways in which technology can be harnessed to enhance the educational experience and promote overall wellbeing among learners.



Roll Number 11 was assigned to Debi Prasad Datta, a participant from the Department of Physics at Sripat Singh College. During his session, Debi Prasad Datta presented an intriguing paper titled "Nanoscale Patterned Surfaces: Exploring Novel Antireflective and Hydrophobic Properties." In this enlightening presentation, he delved into the fascinating realm of nanoscale patterns, unveiling their potential for unique antireflective attributes and hydrophobic characteristics.

From 12:00 to 1:30, it was the turn of Group A2 with participants bearing Roll Numbers 13 and 26, as well as Group A3 with participants bearing Roll Numbers 6, 10, 23, and 25, who presented their seminar papers.

meet.google.com/yzo-hgtv-ryn?pli=1

mamata barua (Presenting)

Application of Schiff base metal complex

As Schiff base is synthesized from aliphatic or aromatic amines and carbonyl compounds, it shows different types of biological activity. Most of the transition metal Schiff base metal complex has biological importance as well as a wide range of applications.

1. Application in medical and pharmacy
2. Agricultural application
3. Application in synthesis and chemical analysis
4. Application as catalysis

12:27 PM | yzo-hgtv-ryn

Roll Number 13 belonged to Prabuddha Bhattacharya, from the Department of Organic Chemistry at Mrinalini Datta Mahavidyapith. In this segment of the program, Dr. Bhattacharya delivered an enlightening presentation titled "Targeting Proteins through Structure-Based Drug Design using Computational Approaches: A Chemist's Perspective." His paper offered a deep exploration into the intricate world of structure-based drug design, emphasizing the pivotal role of computational approaches in this endeavor. This perspective from a chemist shed light on the cutting-edge strategies employed in drug discovery to effectively target proteins and combat various diseases.

meet.google.com/yzo-hgtv-ryn?pli=1

Dr. Debi Prasad Datta (Presenting)

Ion irradiation/implantation

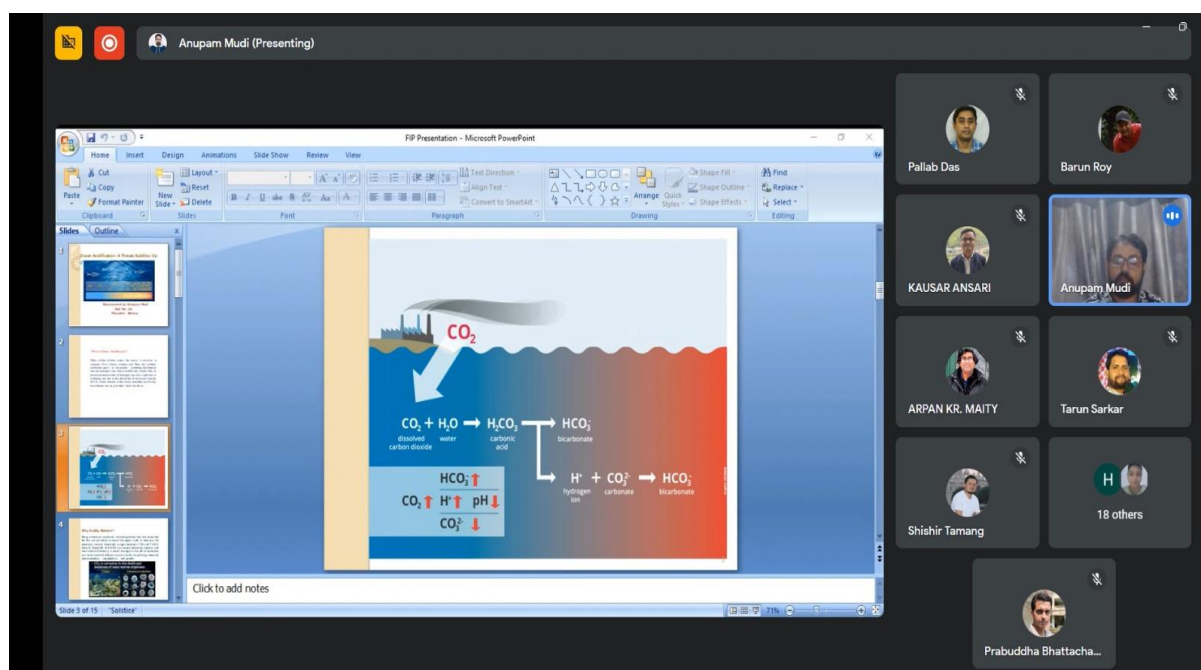
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11:12 AM | yzo-hgtv-ryn

Roll Number 26 belonged to Mamata Barua, from the Department of Inorganic Chemistry at Mrinalini Datta Mahavidyapith. During this segment of the program, Mamata Barua delivered a thought-provoking presentation titled "The Synthesis and Characterization of Schiff-Based Metal Complexes: Unveiling Their Multifaceted Applications." In her paper, she delved into the intricate process of synthesizing and characterizing Schiff-based metal complexes, shedding light on their diverse range of applications across various fields. This comprehensive exploration offered valuable insights into the potential of these complexes to contribute to advancements in areas spanning from materials science to catalysis.

Roll Number 6 was attributed to Anupam Mudi, a participant from the Department of Botany at Behala College. In this segment of the program, Anupam Mudi delivered an impactful presentation titled "Ocean Acidification: Unveiling the Bubbling Threats." His paper delved into the complex phenomenon of ocean acidification, highlighting its far-reaching implications for marine ecosystems and the environment at large. Anupam's insightful

discussion underscored the pressing need for understanding and addressing this critical issue as a part of global environmental conservation efforts.



The screenshot displays a Zoom meeting interface. The main window shows a PowerPoint presentation titled "PP Presentation - Microsoft PowerPoint". The slide content illustrates the chemical process of ocean acidification:

$$\text{CO}_2 + \text{H}_2\text{O} \rightarrow \text{H}_2\text{CO}_3$$

dissolved carbon dioxide + water → carbonic acid

$$\text{H}_2\text{CO}_3 \rightleftharpoons \text{HCO}_3^- + \text{H}^+$$

carbonic acid ↔ bicarbonate + hydrogen ion

$$\text{H}^+ + \text{CO}_3^{2-} \rightarrow \text{HCO}_3^-$$

hydrogen ion + carbonate → bicarbonate

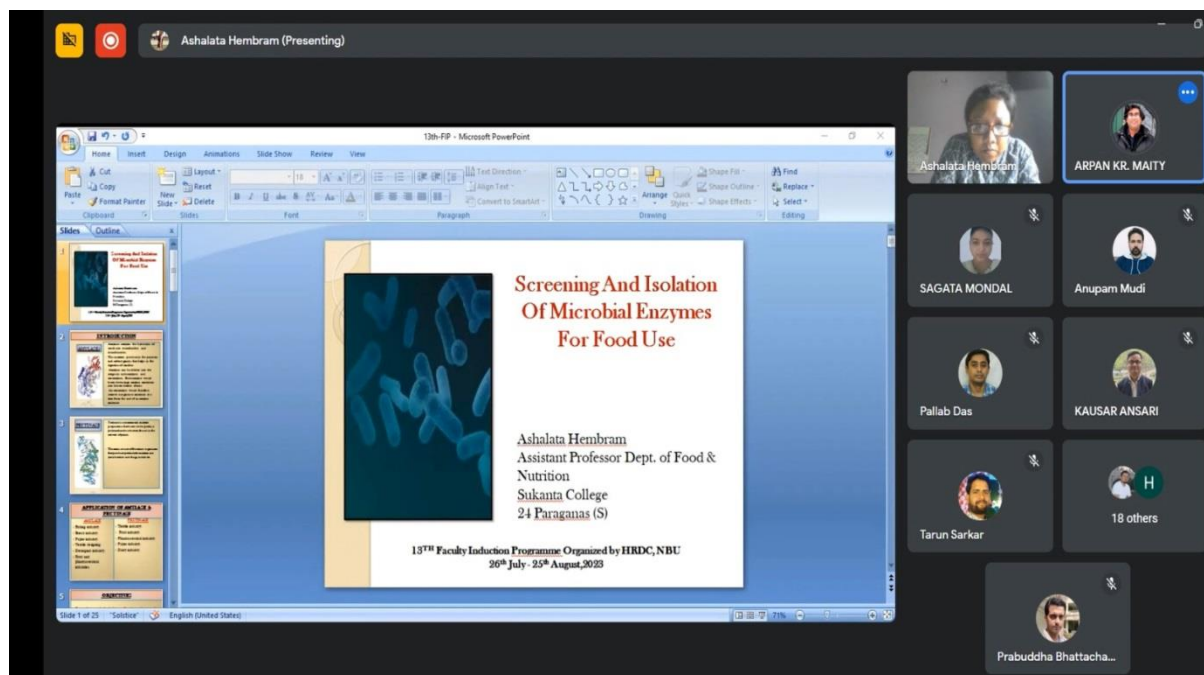
Below the equations, arrows indicate the following trends:
- CO_2 ↑ (increases)
- H^+ ↑ (increases)
- pH ↓ (decreases)
- CO_3^{2-} ↓ (decreases)

The right side of the screenshot shows a grid of participant avatars with names: Pallab Das, Barun Roy, KAUSAR ANSARI, Anupam Mudi (highlighted), ARPAN KR. MAITY, Tarun Sarkar, Shishir Tamang, and 18 others. A bottom-most avatar is labeled Prabudha Bhattacha...

Roll Number 10 was assigned to Sagata Mondal, from the Department of Zoology at Vidyasagar College. During this pivotal segment of the program, Sagata Mondal delivered an enlightening seminar paper titled "Impact of Insect Research on Global Welfare." Her presentation provided a deep exploration into the significant contributions of insect research to the betterment of global welfare.

Roll Number 23 belonged to Ashalata Hembram, from Sukanta College's Department of Food and Nutrition. In her presentation titled "Screening and Isolation of Microbial Enzymes for Food Applications," she delved into the process of identifying and isolating microbial enzymes with

potential uses in food production. Her discussion emphasized the role of these enzymes in enhancing nutritional value, prolonging shelf life, and enriching flavors, highlighting their promising applications in the realm of food technology.



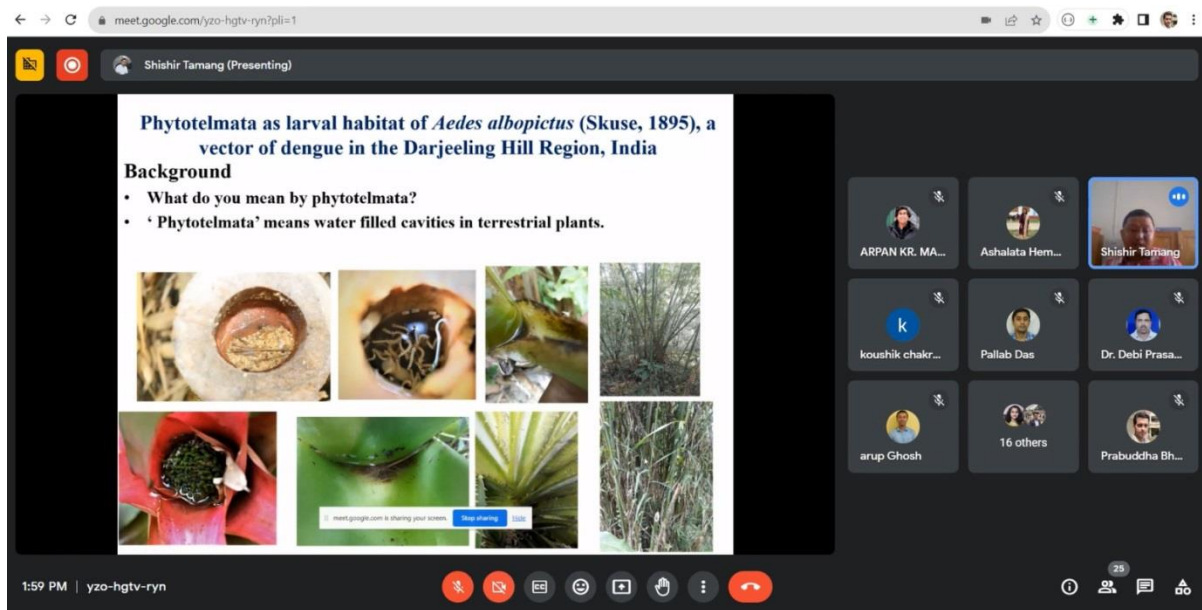
Roll Number 25 belonged to Shishir Tamang, a participant from the Department of Zoology at Darjeeling College. During his presentation, Shishir Tamang explored the topic "Phytotelmata as Breeding Habitats of Aedes Albopictus (Skuse 1899): A Dengue Vector in the Darjeeling Himalayas, India." His paper shed light on the crucial role of phytotelmata as breeding grounds for the Aedes albopictus mosquito, a significant vector for Dengue transmission in the Darjeeling Himalayan region.

From 2:30 to 4:00, Group C1 with participants bearing Roll Numbers 1, 2, 14, and 15 took the stage to present their seminar papers.

Roll Number 1 belonged to Paromita Das, from the Department of Education at the University of North Bengal. During her presentation, Paromita Das delved into the intriguing topic of "Progressive Society in the Context of Inclusive Society: A Paradigm Shift in Post-Independent India." Her paper explored the dynamic evolution of societal norms towards inclusivity, shedding light on the transformative changes that have taken place in the Indian societal landscape since gaining independence.

Roll Number 2 belonged to Barun Roy, from the Department of Mass Communication at the University of North Bengal. In his presentation, Barun Roy explored the intriguing topic of "Invoking Myths in Conflict Reporting: Evidences from the Gorkhaland Agitation in India." His paper delved into the nuances of conflict reporting, providing compelling evidence drawn from the context of the Gorkhaland agitation.

Roll Number 14 was assigned to Kaushiki Banerjee, from the Department of Economics at Barasat Government College. During her presentation, Kaushiki Banerjee delved into a thought-provoking subject: "The Impact of the COVID-19 Pandemic on Women's Employment Loss and Mental Well-being in India: A Case Study." Her paper provided a comprehensive exploration of the challenges faced by women in the wake of the pandemic, shedding light on both the economic repercussions and the mental wellness implications that have arisen



Roll Number 15 belonged to Rabindra Mani Pradhan, from the Department of Political Science at Shyampur Siddheswari Mahavidyalaya. During his presentation, Rabindra Mani Pradhan tackled a thought-provoking topic: "India's Approach to the Russia-Ukraine War: Navigating Between Strategic Ambivalence and Strategic Autonomy." His paper delved into the intricate dynamics of India's stance in the face of the Russia-Ukraine conflict, shedding light on whether the nation's choices are driven by strategic ambivalence or a pursuit of strategic autonomy.

From 4:00 to 5:30, it was the turn of Group B1, comprised of participants with Roll Numbers 8, 12, 21, and 22, who presented their seminar papers.

Roll Number 8 belonged to Bipul Mandal, a participant from the Department of Bengali at City College. In his presentation, Bipul Mandal delved into the insightful topic of "Aditya Mallab

Barman's Short Stories: A Perspective on Social Life." His paper provided a comprehensive exploration of the societal aspects depicted in Aditya Mallab Barman's short stories, shedding light on the author's portrayal of the dynamics of social existence.

Roll Number 12 was assigned to Rahul Panda, from the Department of Bengali at Balurghat Mahila Mahavidyalaya. During his presentation, Rahul Panda delved into an intriguing topic: "Bengali Sports Literature: Tracing Historical Background and Evolution." His paper provided a comprehensive exploration of the historical context and gradual evolution of sports literature within the Bengali literary landscape.

Roll Number 21 was assigned to Satyajit Tudu, from the Department of Bengali at Chandraketurgh Sahidullah Smriti Mahavidyalaya. In his presentation, Satyajit Tudu explored an engaging topic: "Analyzing 'Ras': Narendranath Mitra's Short Story Portraying Love and Conflict Amidst a Struggling Couple." His paper delved into the intricate narrative of 'Ras,' unraveling the layers of emotion, turmoil, and the socio-economic challenges faced by an impoverished couple, as depicted by Narendranath Mitra.

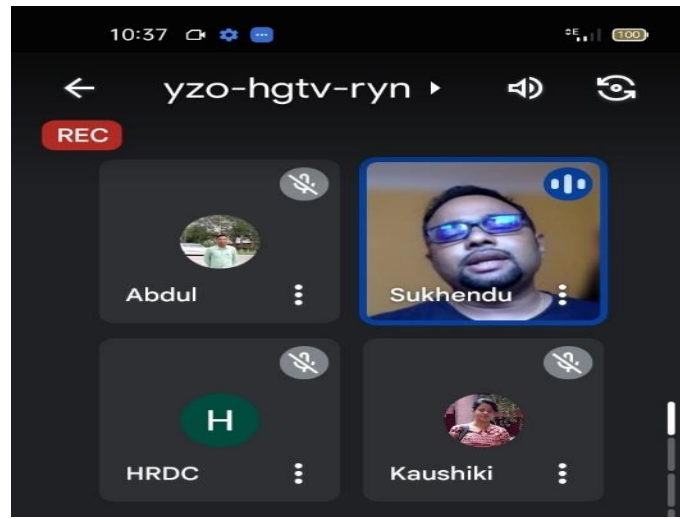
Roll Number 22 belonged to Ujjal Oraw, from the Department of Bengali at Lalbaba College. In his seminar presentation, Ujjal Oraw delved into an engaging topic: "Shubhonkar Guhor Biyor: An Account of Nomadic Life's Unconventional Journey." His presentation shed light on the intricate narrative of "Shubhonkar Guhor Biyor," unveiling the unconventional journey of a nomadic life as portrayed in this literary work.

Concluding this enlightening session, the seminar presentation drew to an informative and thought-provoking close, leaving participants with a deeper understanding of the subjects discussed.

The image shows a Zoom meeting interface. The main video feed displays a woman named Paromita Das. To the right, a list of participants includes Barun Roy, Swagata Ghosh, and 28 others. The bottom control bar shows various icons for muting, video, chat, and other meeting functions. The time is 2:43 PM and the meeting ID is yzo-hgtv-ryn.

Date: 10.08.2023

Seminar by Participants



Speaker: Sukhendu Das, Department of English, Bankura University

Title: Fiction and (Post) human Condition in the Anthropocene

Prof. Das discussed 'anthropos' in the Anthropocene. He talked about traditional humanistic thinking and the reasons for which it should be rethought. He also described why humanistic thinking should be reshaped and how literature and literary critics could engage with the planetary crisis.

Speaker: Karishma Oraon, Department of English, University B.T. and Evening College

Title: Literature and its role in shaping the society

Prof. Oraon discussed the importance of literature in our lives, exploring how literature influences the progress of society and the active and passive roles it plays for individuals and society as a whole. She also delved into how literature serves as a mirror of society.



Speaker: Payel Ghosh, Department of English, Falakata College.

Title: Narrating History, Shaping History: Tesmula Ao's Naga Narratives as Reflective Insights into society.



The image shows a Zoom meeting interface. On the left, a slide titled "Post-Colonial Persistence of Colonial Narrative" is displayed. The slide contains a bulleted list of points:

- Post-independence isolation inherited from colonial era, reinforcing alienation.
- Continued perception of the northeast as underdeveloped and a threat to integration
- Claim to Sovereignty
- British Administration and Naga Resistance.
- Unconquered Territories; preserving distinct identities.

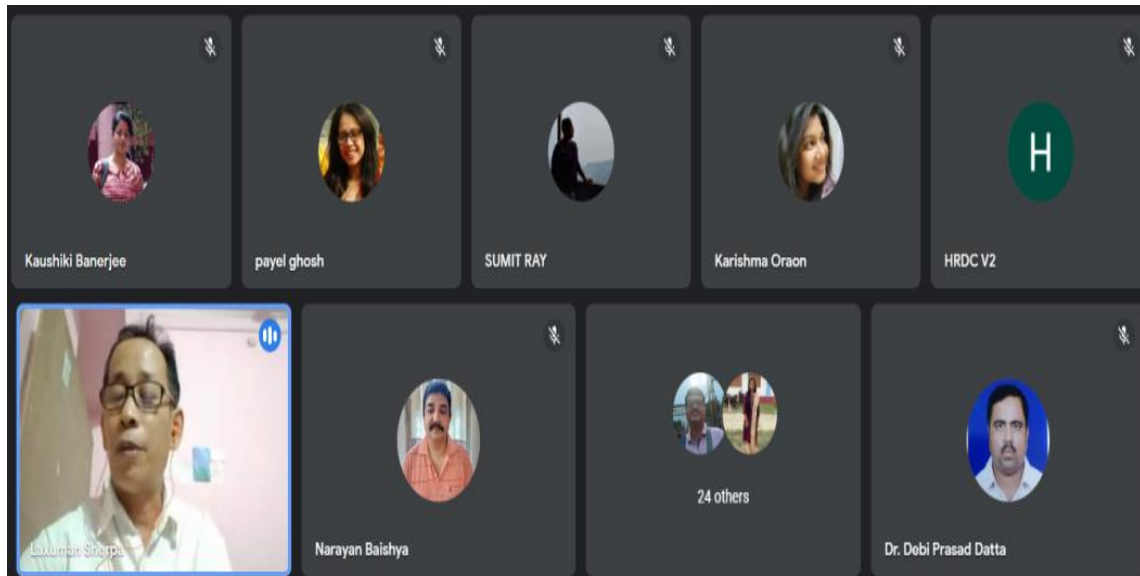
On the right, a grid of participant avatars is visible. The participants shown are: payel ghosh (highlighted), SUMIT RAY, Karishma Oraon, HRDC V2, wasim reja, Laxuman Sherpa, Narayan Baishya, 24 others, and Dr. Debi Prasad D... Each avatar has a small mute icon next to it.

Prof. Ghosh described the history and cultures of Nagaland, as well as the struggles of the Naga people over generations, from the British colonial period to the present day. She further elaborated on literary narratives and their role in understanding the Indo-Naga conflict.

Speaker: Laxuman Sherpa, Department of Nepali, Government General Degree College at Pedomg

Title: Social Conciousness on 'Tika Pani Byapar Pani` one act play written by Ramlal Adhikari.

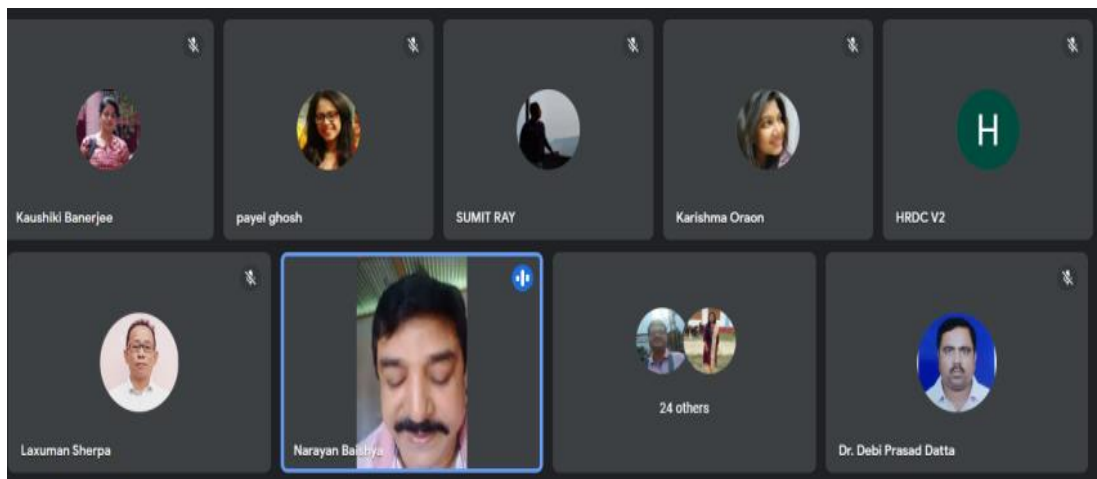
Prof. Sherpa discussed literary works, particularly a one-act play by the famous Nepali writer Ramlal Adhikary. He described how the conflicts of society are reflected in this specific one-act play titled 'Tika Pani Byapar Pani'.



Speaker: Narayan Chandra Baishya, Department of Assamese, Pub Bongsor college, Assam.

Title: The Assamese literature - A brief note

Prof. Baishya discussed Assamese literature, elaborating on its evolution. He described the prose and poetry of Assamese writers from different periods, such as Sankardeva and Laxminath Bejbarua, along with their significant contributions.

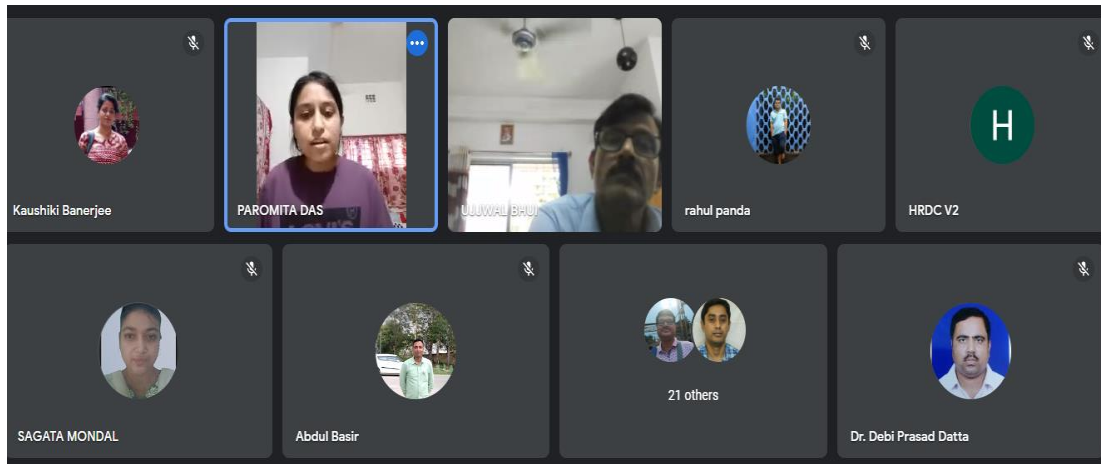


Microteaching Session

Speaker: Paromita Das, Department of Education, University of North Bengal

Title: Stress Management

Prof. Das discussed managing stress to achieve success. They covered factors that contribute to stress and hinder success, as well as how the relationship between demands and resources can lead to stress. The discussion also encompassed strategies for arranging situations to overcome stress and attain happiness.



Speaker: Barun Roy, Department of Mass Communication, University of North Bengal

Title: Media and Gender

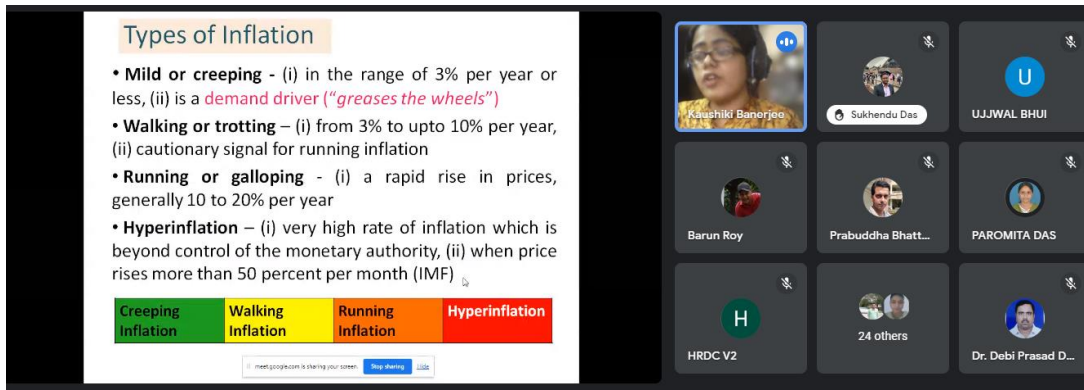
Prof. Roy discussed the concept of gender vs. sex. They elaborated on how the notion of gender is socially constructed, while sex is biologically determined. Additionally, Prof. Roy described how media portrays stereotypical images of gender and their associated roles.



Speaker: Koushiki Banerjee, Department of Economics, Barasat Govt. College

Title: Money and Inflation: A Brief Overview

Prof. Banerjee began by describing various types of inflation. They discussed the factors that contribute to inflation and also addressed the consequences of inflation, along with proposing the best measures to prevent it.



Speaker: Rabindra Mani Pradhan, Department of Political Science, Shyampur Siddheswari Mahavidyalay

Title: Classical Realism and International Relations

Prof. Pradhan discussed the causes of wars, conflicts, and classical realism. They elaborated on how states operate on the international level and how classical realist thinking analyzes these

situations. Additionally, Prof. Pradhan talked about how states collaborate to counterbalance superpowers in the international arena.

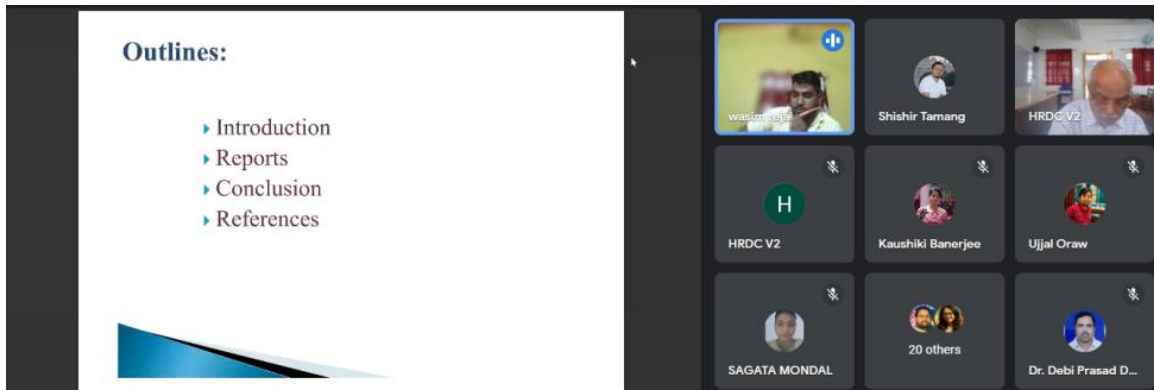


Seminar by participants

Speaker: Wasim Reza, Department of Vidyasagar College

Title: Political Representation of OBC in west Bengal

Prof. Reza discussed the significance of political representation for OBCs and its necessity in the socio-economic context of West Bengal. They depicted the current situation of OBC individuals, particularly the Muslim community, within the political landscape of West Bengal. Prof. Reza also offered recommendations for addressing this situation.

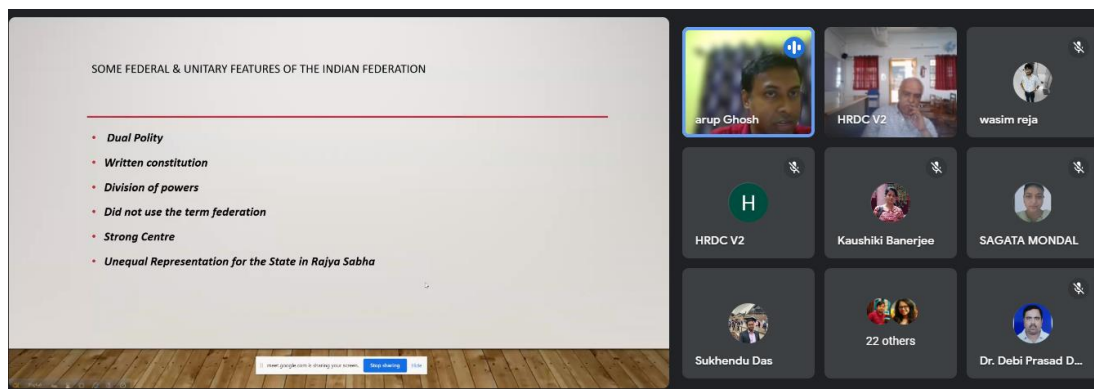


Speaker: Arup Ghosh, Dept of Polical Science, Balurghat Mahila Mahavidyalaya

Title: Paradigm Shift in the role of Rajya Sabha, Regional Parties, and Federalism in India

Prof. Ghosh discussed the federal and unitary characteristics of the Indian federation. They examined the constitution's role in defining the division of power between the Lok Sabha and the Rajya Sabha. Additionally, the issue of state representation in the Rajya Sabha was addressed,

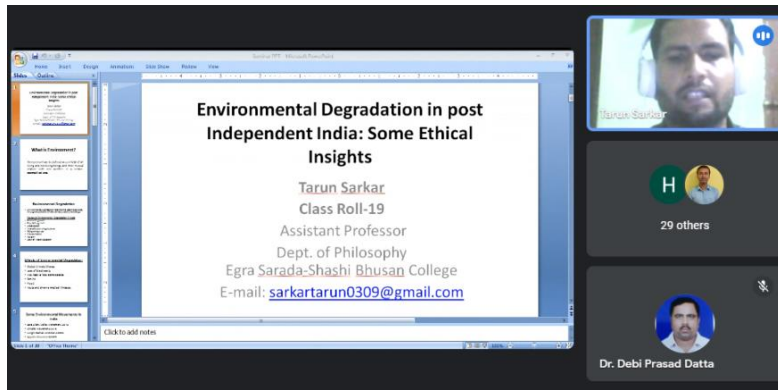
potential challenges were explored, and the discussion concluded by highlighting how shifts in power division are emerging.



Speaker: Tarun Sarkar, Department of philosophy, Egra Sarada-Sashi Bhuban college

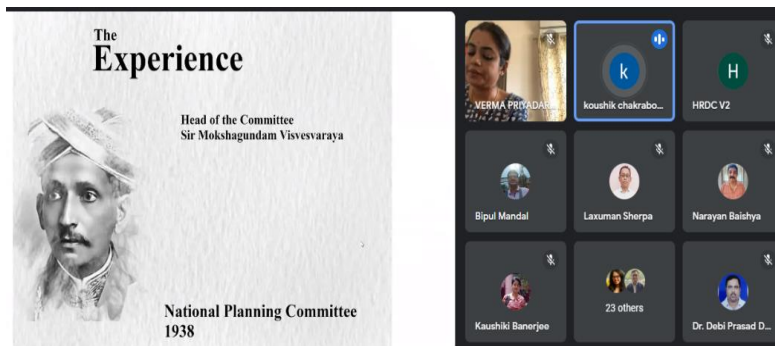
Title: Environmental degradation in post independent India: some ethical insight.

Prof. Sarkar discussed environmental deterioration in independent India. They illustrated how pollution issues are causing the degradation of the environment over time and hindering the progress of the country.



Speaker: Koushik Chakrabarty, Dept of History, Govt General Degree College, Kalna 1

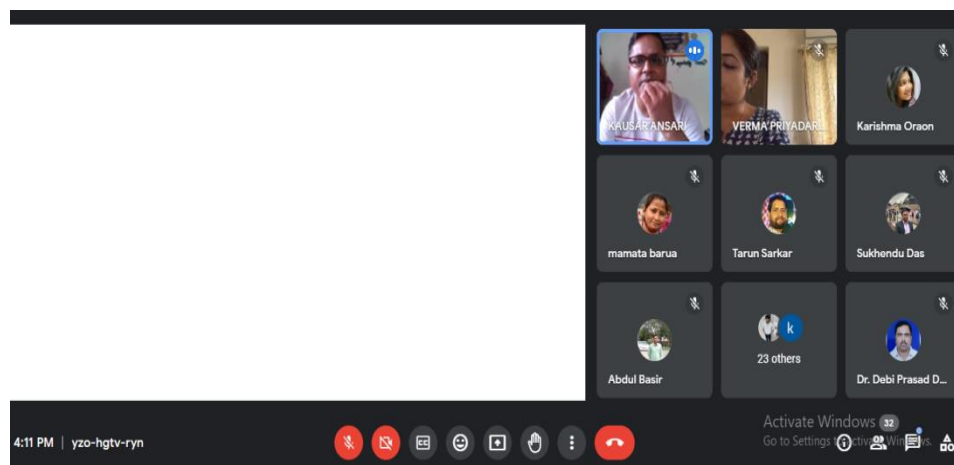
Title: 1st Five Year Plan 1951-56



Prof. Chakrabarty discussed the importance of the five-year plan and its inception. They described the role it has played in the development of the country.

Speaker: Kausar Ansari, Department of History, Government General Degree College at Pedong

Title: Polity, Economy and Society in Post-Independent India in the Context of Azadi Ka Amrit Mahotsav (75 Years of Independence)

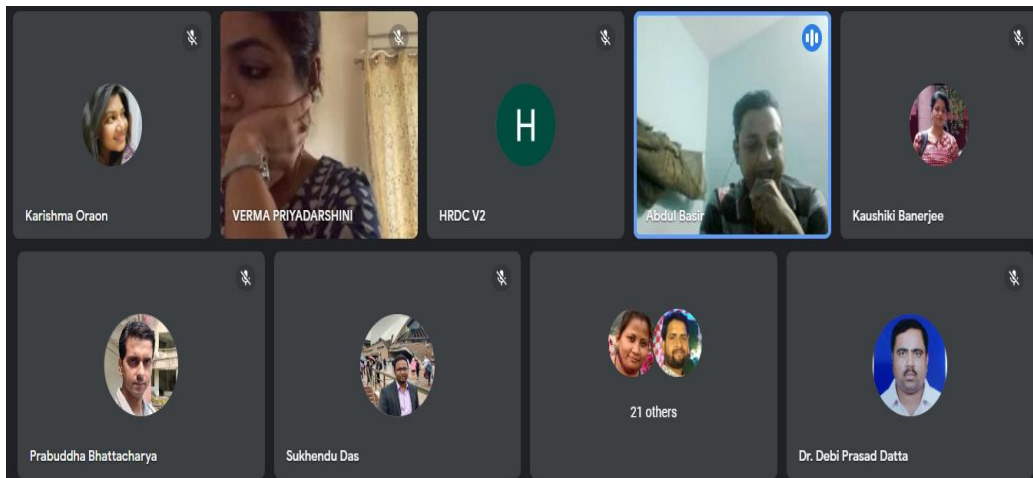


Prof. Ansari outlined a series of significant challenges that India faced after gaining independence, including issues such as refugees and rehabilitation, poverty and illiteracy, regionalism and communalism, underdeveloped industry and inadequate infrastructure, casteism and untouchability, and the status of women and gender discrimination. They also described the strategies implemented by leaders to address and overcome these problems, along with the current position of the country.

Speaker: Abdul Basir, Dept of History, Kazi Nazrul Islam Mahavidyalaya

Title: Cast un-touchability and anti-cast politics since independence

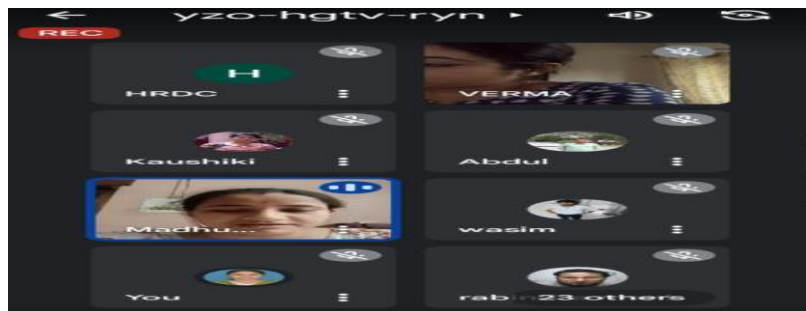
Prof. Basir discussed the caste system in India and highlighted its origins, including the concept of untouchability and the historical situation of people in the distant past. They also elaborated on the political movements related to the caste system and its contemporary utilization, while touching upon the current scenario.



Speaker: Dr. Madhumita Das, Department of Philosophy, Pub Bongsor College, Assam

Title: Nehruvian paradigm of development

Prof. Das illustrated how the Nehruvian paradigm of development aimed to achieve consistent economic progress with a socialist approach by eliminating poverty, social inequality, and injustice through state-controlled planning.



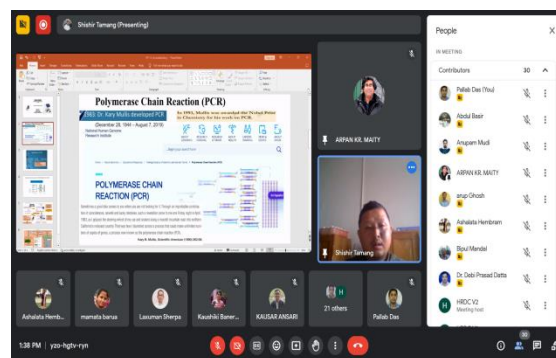
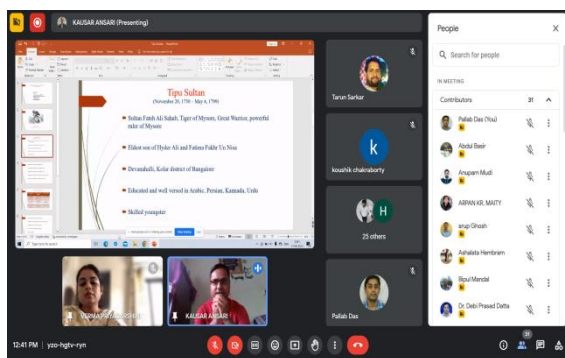
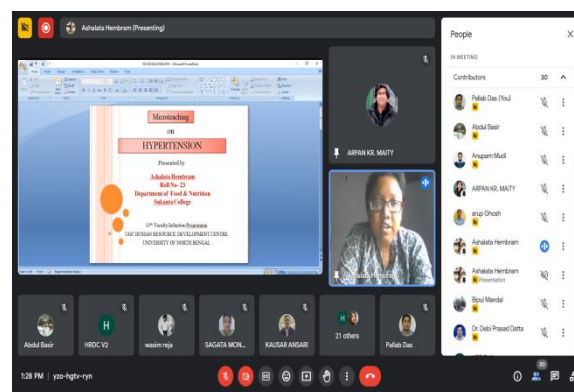
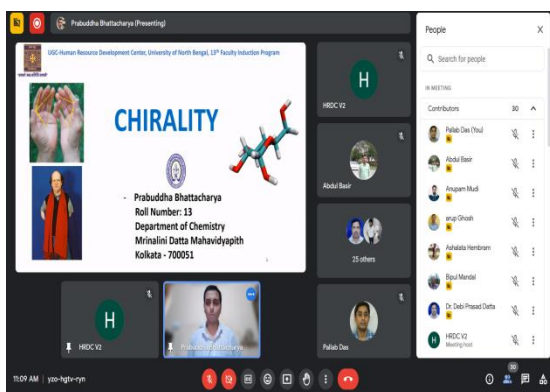
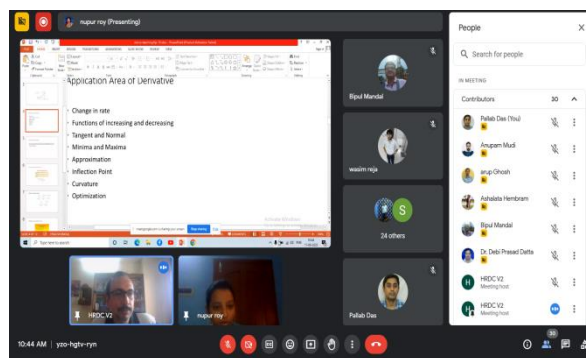
Date: 11.08.2023

Time: 10:30 AM -1:30 PM (FIRST-HALF)

The fourteenth day of the 13th Faculty Induction Program witnessed the continuation of the micro-teaching sessions in which the faculty participants were asked to conduct brief sessions on a topic of their choice followed by a question-and-answer session. In the first half, participants from groups A1, A2, A3, and C2, comprised of sixteen faculty members, delivered their presentations. The following table enlists the details of the micro-teaching sessions conducted in the first half. These sessions corresponding to each of the groups were adjudicated by experts from that domain.

Group No.	Class Roll No.	Name	Topic	Adjudicator	Time Slot
A1	5	Pallab Kumar Das	Basic block diagram of communication system	Prof. Sanjib Bhattacharya, Associate Professor, Department of Physics, North Bengal University	10:30 AM -12:00 PM
	7	Nupur Roy	Application of Derivatives: Applied Maximum and Minimum Problem		
	11	Dr. Debi Prasad Datta	The Nature of Light		
A2	13	Dr. Prabuddha Bhattacharya	Chirality	Prof. Mossaraf Hossain, Assistant Professor, Department of Chemistry, North Bengal University	
	26	Mamata Barua	Pearson's HSAB Principle		
A3	6	Anupam Mudi	Characteristics of Cancer Cell	Prof. Arpan Kumar Maity, Assistant Professor, Department of Zoology, North Bengal University	12:00 PM – 1:30 PM
	10	Dr. Sagata Mondal	Different Methods and Techniques Used for Insect Collection and Preservation		
	23	Ashalata Hembram	Hypertension		
	25	Shishir Tamang	Polymerase Chain Reaction (PCR)		
C2	16	Md Wasim Reja	Public and Private Administration	Prof. Verma Priyadarshini, Assistant Professor, Department of History, North Bengal University	
	18	Arup Ghosh	Philosophy of Indian Constitution		
	19	Tarun Sarkar	Theories of Punishment		
	20	Koushik Chakraborty	The Discovery & Mysteries of Harappa		
	24	Kausar	Tipu Sultan: The Tiger of		

		Ansari	Mysore		
	27	Abdul Basir	Causes of the Revolt of 1857		
	28	Dr. Madhumita Das	Causal Explanation in Science		

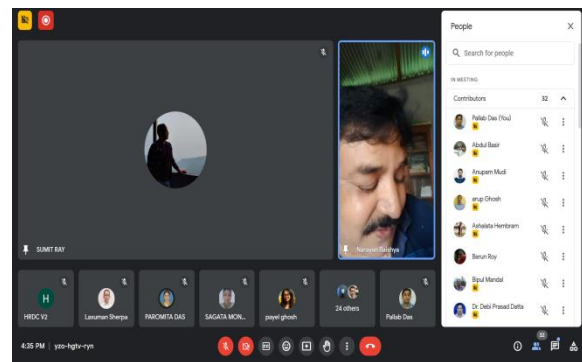
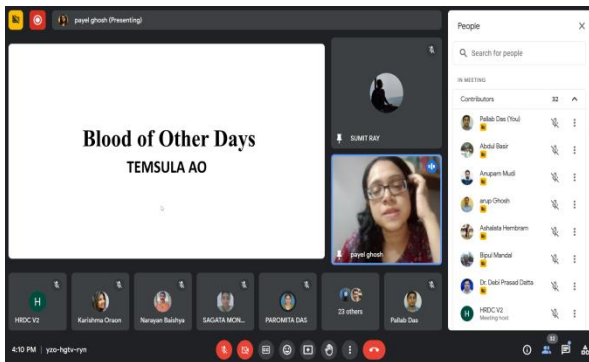
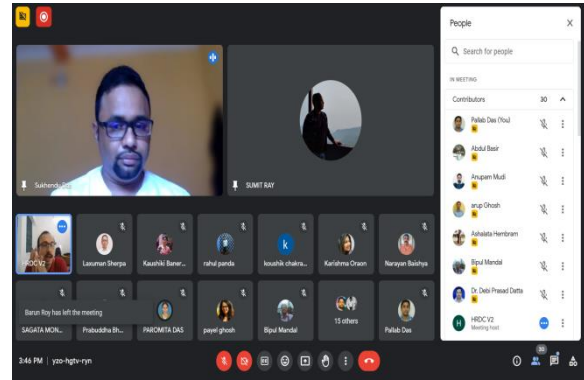
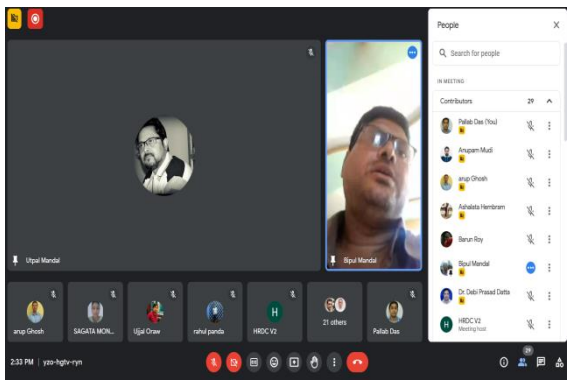


(SECOND HALF)

Time: 2:30 PM – 5:30 PM

In the second half, participants from groups B1 and B2 comprised of nine faculty members, delivered their presentations. The following table enlists the details of the micro-teaching sessions conducted in the second half. Just like the first half, each session was adjudicated by experts from that domain.

Group No.	Class Roll No.	Name	Topic	Adjudicator	Time Slot
B1	8	Bipul Mandal	Adwaita Mallabarman er uponyashe antaja srenir somaj o jibon dorshon	Professor Utpal Mandal, Professor, Department of Bengali, North Bengal University	2:30 PM – 4:00 PM
	12	Rahul Panda	Fundamental Safeguards of Indian Citizens and the Significance of Writ Petitions		
	21	Satyajit Tudu	Padda nadir majhi anchalik uponyash		
	22	Ujjal Oraw	শচীন্দ্রনাথ বন্দ্যোপাধ্যায়ের 'জেগুয়ার' গল্পে নাগরিক সভ্যতার মানুষ ও জারোয়া উপজাতি		
B2	3	Sukhendu Das	Metaphysical Poetry: An Introduction	Prof. Sumit Ray, Assistant Professor, Department of English, North Bengal University	4:00 PM – 5:30 PM
	9	Karishma Oraon	" My Last Duchess " by Robert Browning - A critical appreciation of the poem.		
	17	Payel Ghosh	Blood of Other Days: Temsula Ao (discussion of text and context)		
	4	Laxuman Sherpa	Introduction to the DDC and its usage		
	29	Narayan Chandra Baishya	Dr. Bhupen Hazarika: A Democratic Thinking in Some Specific Songs		



Report prepared by the following students:

- 1) Dr. Prabuddha Bhattacharya (Roll No. 13)
- 2) Mr. Anupam Mudi (Roll No. 6)

Date: 12.08.2023
Session I (10.30 A.M – 1.30 A.M)

Time: 10:30 AM -1:30 PM (FIRST-HALF)

The fifteenth day of the Faculty Induction Programme-13, organized by UGC-HRDC, NBU, featured two lecture sessions in the first half and an interactive session with the participants in the second half.

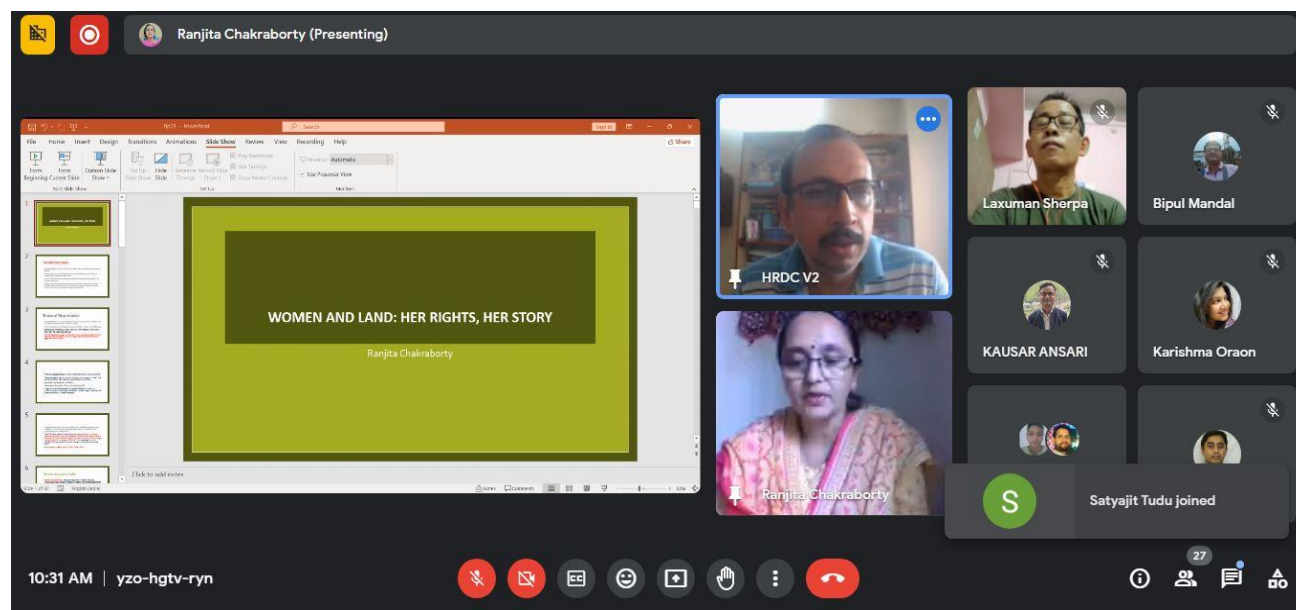


Fig.1. Professor Chakraborty, Department of Political Science, University of North Bengal delivering lecture on “Women and Land: Her Rights, Her Story”.

The first session was addressed by Professor Ranjita Chakraborty from the Department of Political Science at the University of North Bengal, focusing on the topic "WOMEN AND LAND: HER RIGHTS, HER STORY". Professor Chakraborty's lecture began punctually at 10:30 am. She discussed the discrimination faced by women in terms of land ownership, leading to their dependence on husbands. In a patriarchal society, men are granted the right to land ownership and inheritance, leaving women with minimal influence over household matters. When a husband leaves his wife, she becomes instantly landless, often unable to return to her parental home due to property inheritance laws and local patriarchal customs

that prevent her from making claims on properties typically owned by her male siblings. Consequently, many of these women end up in impoverished situations. Land ownership

becomes essential for women's economic security. Gender equality in land ownership is pivotal for democracy, equality, justice, peace, and human rights; without it, these ideals lose their significance. Unconscious large-scale human rights violations occur globally daily due to women

being denied land ownership rights. This largely results from discriminatory laws and patriarchal inheritance customs that negate women's right to land ownership. Additionally, lack of education and awareness restricts women's access to land, even when legislation is in place. Professor Chakraborty highlighted that while numerous land reforms have been attempted, the situation has not notably improved. Overcoming male bias in land ownership is essential for societal advancement. Her analysis encompassed international, national, and regional dimensions, citing instances of gender-based land rights discrimination from diverse countries worldwide. She concluded her lecture by emphasizing the need to raise awareness about this issue to genuinely achieve gender equality and the necessity for more research to shed light on women's plight and their land rights. The interactive session that followed Professor Chakraborty's lecture saw participants posing intriguing questions that she satisfactorily addressed. The session concluded at 12 noon.

Date: 12.08.2023

Session: II, Time: 12 PM – 01:30 PM

Resource Person- Dr. Santanu Mukherjee

Topic: Blended Learning Practices

The second session of the day was led by Dr. Santanu Mukherjee, Regional Director of IGNOU, who delivered a talk on "Blended Learning Practices."

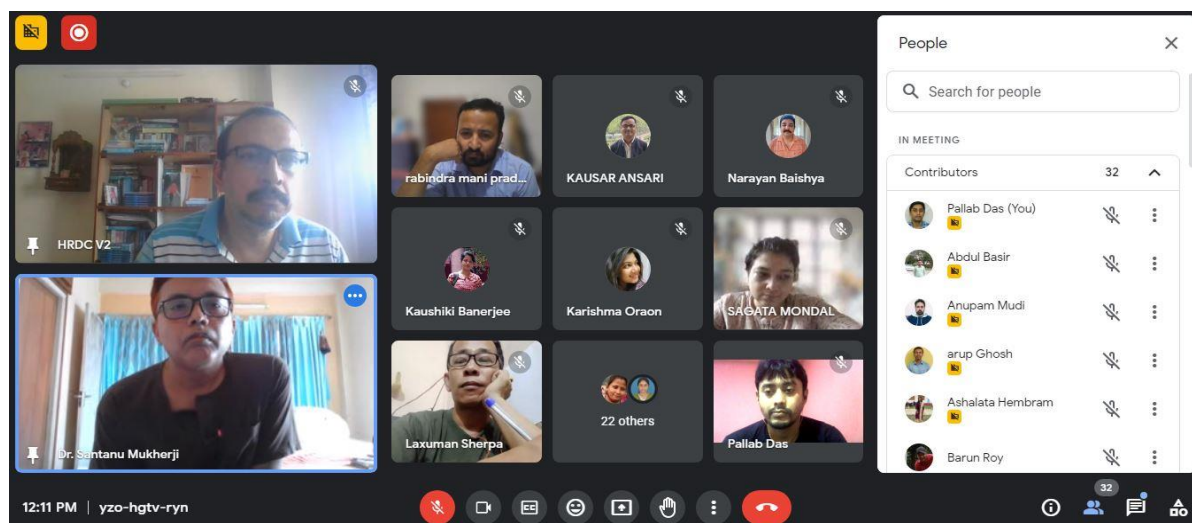


Fig. 2. Dr. Santanu Mukherjee, Regional Director, IGNOU, delivering lecture on “Blended Learning Practices”.

In his presentation, Dr. Mukherjee emphasized the blended learning program as a new pedagogical method. This teaching and learning approach combines online information technology-based learning, also known as eLearning, with the traditional face-to-face method of instruction. Blended learning opens the door to information and communication technology, which has become ubiquitous in the educational process throughout our country. The blended learning process is highly beneficial. Incorporating eLearning content into traditional classes enhances flexibility, interest, and relevance in learning. Learners can access both classroom lectures and a vast amount of study materials available

on the internet. E-Learning content can be accessed from anywhere and anytime, as long as there is sufficient connectivity and a device such as a smartphone or computer. This flexibility transforms the learning process into an anywhere, anytime endeavor. When classroom lectures fall short or a student struggles to grasp a topic, eLearning can provide assistance in clarifying doubts. Consequently, learning experiences are no longer confined to the classroom but extend beyond it. E-learning enables personalization according to individual student needs. It is self-paced and encompasses various components such as interactive media, games, videos, audios, pictures, tutorials, quizzes, charts, and more, which learners can utilize. The primary aim of blended learning is to maximize participation.

Dr. Mukherjee also discussed activities, teaching principles, and technologies like web conferencing, digital textbooks, blogs, wikis, and others as components of the blended learning program. Towards the conclusion of his lecture, he attempted to evaluate the success of the Blended Learning Programme in the context of recent advancements in technology-

based education. Following the presentation, an interactive session was conducted during which participants posed numerous questions to the resource person. Dr. Santanu Mukherjee satisfactorily addressed all the questions. The session concluded at 1:30 p.m., and the attendees took a break for lunch.

Date: 12.08.2023

Session: III, Time: 02:30 PM – 5:30 PM

Resource Person: Dr. Sanjib Bhattacharya, Joint Coordinator, UGC-HRDC, NBU

Topic: Interactive Session with the Participants

After lunch, two interactive sessions were held with the participants. Dr. Sanjib Bhattacharya, Joint Coordinator of UGC-HRDC at NBU, chaired both sessions and engaged with all the participants. During these sessions, participants shared their experiences from the FIP 13 program and reflected on what they have learned thus far. Some participants also posed questions regarding the ongoing 13th Faculty Induction Programme, and Dr. Bhattacharya provided thorough answers. The chairperson also prompted participants to offer suggestions for program improvement, which were reasonably put forth.

Additionally, participants shared their teaching experiences in colleges and highlighted various challenges, including the lack of resources such as syllabus-oriented textbooks in regional languages, maps, ICT tools, and others. They also pointed out inadequate infrastructure, particularly in rural

colleges, as well as limited staff and unfilled positions, high teacher-student ratios, and the assignment of non-teaching tasks to faculty members, all of which hinder effective teaching. All participants concurred on the urgent need to address these issues.

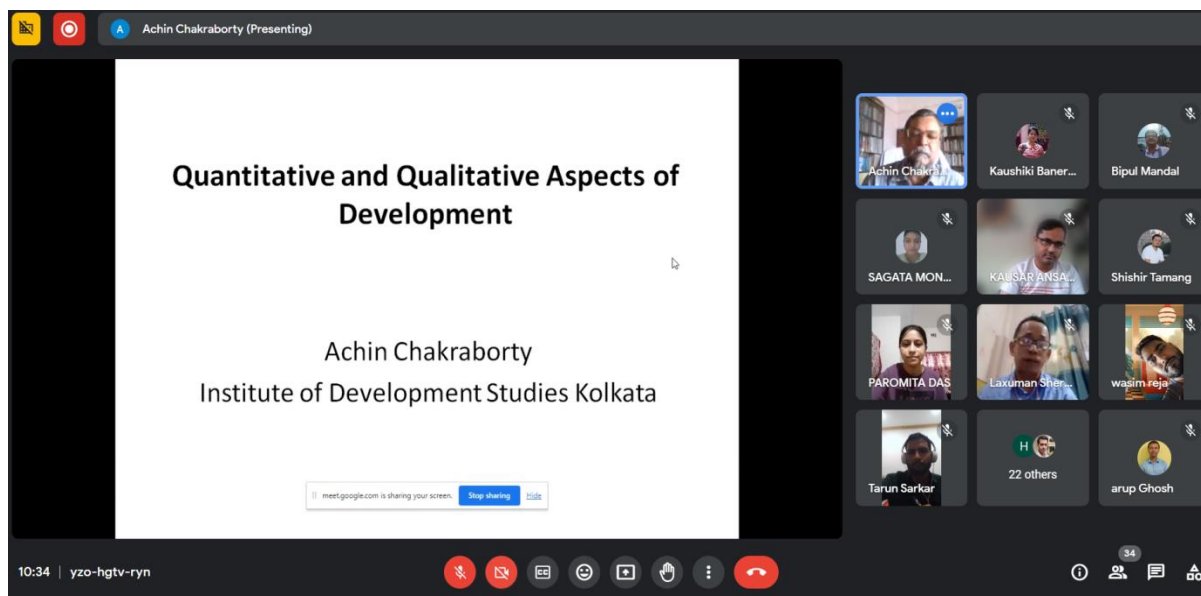
The session concluded at 05:30 PM with a vote of thanks to the session's chairperson.

Report Compiled By

1. Mr. Tarun Sarkar, Roll No. 19. FIP-13, UGC-HRDC, NBU,
Department of Philosophy, Egra Sarada-Shashi Bhusan College.
2. Mr. Rabindra Mani Pradhan, Roll No. 15. FIP-13, UGC-HRDC, NBU,
Department of Political Science, Shyampur Siddheswari Mahavidyalaya.

Date: 14.08.2023

Time: 10:30 AM -1:30 PM (FIRST-HALF)



The UGC-HRDC at the University of North Bengal has organized the 13th Faculty Induction Programme, spanning from July 26, 2023, to August 25, 2023, and today marks the 16th day. The inaugural lecture was delivered by Professor Achin Chakraborty, who serves as the Director of the Institute of Development Studies in Kolkata. The title of his presentation was "Quantitative and Qualitative Aspects of Development."

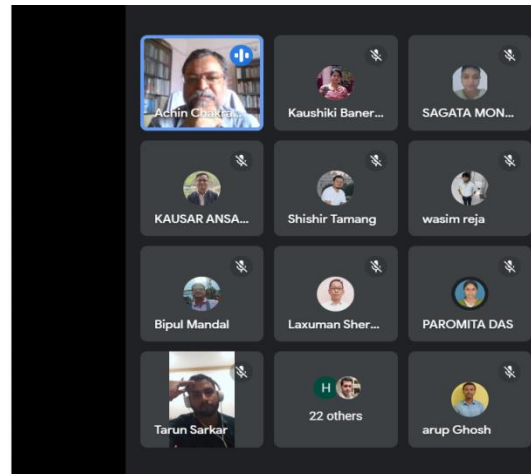
At the outset, Professor Chakraborty discussed how development can often equate to a mere quantitative change within a system that essentially remains unchanged. In contrast, qualitative development involves altering the very nature of the system. He emphasized the need to identify specific quantifiable aspects of development. Using an example, he highlighted the importance of assessing aspects such as education, healthcare, and housing within a village, along with the number of individuals engaged in employment within that community.

Furthermore, he stressed that any measure of development must encompass multiple dimensions.

Conceptual prelude

- The process of development is essentially **qualitative** in nature [*Development as expansion of the real freedom of people to do what people have reason to value*]
- We need to identify certain **quantifiable aspects of development**.
- Quantification involves **value judgement** – plurality of values
- Any measure of development has to be **multi-dimensional**.

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Session- II, Time: 12PM-01:30PM

Resource Person: Dr. Kalyan Rudra, Chairman, West Bengal State Pollution Control Board.

Topic: Environmental and Pollution



The second guest speaker was Dr. Kalyan Rudra, the Chairman of the West Bengal State Pollution Control Board. The title of his presentation was "Environmental and Pollution." At the outset, he addressed pollution as the introduction of harmful materials into the environment. These detrimental substances are referred to as pollutants. Pollutants can originate both from natural sources and human activities. For example, waste or runoff produced by factories contributes to pollutants that impair the quality of air, water, and land.

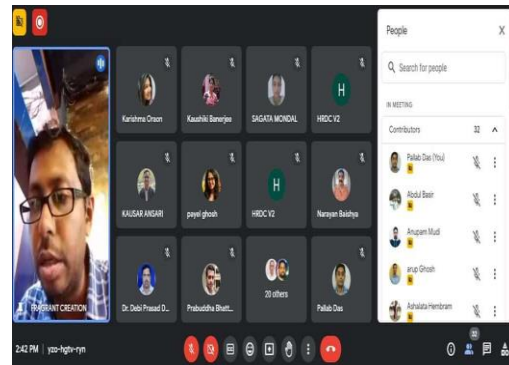
The primary cause of river water pollution is plastic. Due to the prevalence of plastic waste, our country's soil is experiencing substantial contamination, necessitating proper plastic disposal.

Dr. Rudra highlighted that water stored in structures like the Maithon Barrage and Farakka Barrage must be safeguarded against pollution to ensure its suitability for drinking and agricultural purposes.

Session- III, Time: 02:30P.M.-05:30P.M.

Resource Person: Sourav Sarkar, Film Maker, Director.

Topic: Film Language and Film Medium as a Multidisciplinary Text



Sourav Sarkar, a renowned filmmaker and director, begins his lectures by exploring the origin of the term 'film,' its historical roots, and its significance in modern times. He then delves into the language of film, discussing who is connected with it—such as filmmakers and those who view and study films. To comprehend a film, Sarkar emphasizes the importance of understanding its language, which goes beyond mere dialogue and encompasses the film's underlying meanings.

Following this introduction, Mr. Sarkar presents a short film titled "Anoochcharito" (Unuttered). After the screening, he analyzes how to interpret the film's language and its constituent elements. He asserts that the camera is the most crucial element in any film, as camera shots, angles, movements, and focus play significant roles. Different camera shots, whether wide or close-up, convey distinct messages in a film. Beyond the camera, lighting, sound, music, editing, and production design are also vital components of filmmaking, all contributing to the presentation of action on screen.

Sarkar then addresses the question of why teachers should possess awareness about film. He provides several compelling reasons, such as how a student's expressions and body language can reveal psychological aspects. Additionally, a student's family circumstances may manifest as behavioral traits, underscoring the importance of teachers being attuned to these cues.

Report Submitted by
Arup Ghosh, Roll 18
Satyajit Tudu, Roll 21
Date: 14.08.2023

Date: 15/08/ 2023

Roll Numbers	Names	Activity	Time Slot
1 2 3 4 5 6 7	PAROMITA DAS BARUN ROY SUKHENDU DAS LAXUMAN SHERPA PALLAB KUMAR DAS ANUPAM MUDI NUPUR ROY	ACTIVITY 1	10:30 AM TO 12 NOON
8 9 10 11 12 13 14	BIPUL MANDAL KARISHMA ORAON SAGATA MONDAL DEBI PRASAD DATTA RAHUL PANDA DR. PRABUDDHA BHATTACHARYA KAUSHIKI BANERJEE	ACTIVITY 2	12 NOON TO 1:30 PM
RECESS 1:30 TO 2:30			
15 16 17 18 19 20 21	RABINDRA MANI PRADHAN MD WASIM REJA PAYEL GHOSH ARUP GHOSH TARUN SARKAR KOUSHIK CHAKRABORTY SATYAJIT TUDU	ACTIVITY 3	2:30 PM TO 4:00 PM
22 23 24 25 26 27 28 29	UJJAL ORAW ASHALATA HEMBRAM KAUSAR ANSARI SHISHIR TAMANG MAMATA BARUA ABDUL BASIR Dr MADHUMITA DAS NARAYAN CHANDRA BAISHYA	ACTIVITY 4	4:00 PM TO 5:30 PM

SCHEDULE FOR 13th FACULTY INDUCTION PROGRAMME (FIP-NBU-13)
FOURTH WEEK

DATE	TIME	TOPIC	RESOURCE PERSON
16.08.2023 Wednesday	10.30 – 12.00	Applications of Bioinformatics in the management of COVID 19 Pandemic	Prof. Arnab Sen, Professor, NBU
	12.00 – 1.30	Introduction to Computers and its maintenance	Dr. Ardhendu Mandal, Associate Professor, NBU
	2.30 – 5.30	Global Science for Global Wellbeing	Dr. Sanjib Bhattacharya, Associate Professor, NBU
17.08.2023 Thursday	10.30 – 12.00	Introduction to Artificial Intelligence and Machine Learning	Prof. Paramartha Dutta, Professor, Visva Bharati University
	12.00 – 1.30	Recognition of Changes of Human Emotion from Face Image Sequence.	Prof. Paramartha Dutta, Professor, Visva Bharati University
	2.30 – 4.00	History of Studying Population Variation and its Contemporary Relevance	Prof. Shuvo Roy, Professor, CU
	4.00 – 5.30	Photo Voice	Prof. Shuvo Roy, Professor, CU
18.08.2023 Friday	10.30 – 12.00	'Digital India' during the period of Covid-19 pandemic.	Prof. Debasish Sur, Professor, BU
	12.00 – 1.30	"Black Holes: Utopia or Real in Nature"	Prof. Bikash Ch. Paul, Professor, NBU
	2.30 – 4.00	How 'NOT' to read World Politics	Dr. Tanwir Arshed, PU
	4.00 – 5.30	Responsibilities of College/University Teachers	Video Lecture of Dr. Partha Karmokar, JDPI, HED
19.08.2023 Saturday	10.30 – 12.00	Space Exploration I , The Moon, its missions and Chandrayaan 3	Prof. Bikash Ch. Paul, Professor, NBU
	12.00 – 1.30	New model for origin of black rice from wild rice of India: Based on genetic evidence of interspecific hybridization (O. sativa x O. rufipogon) and Genome Analysis	Prof. Subash Ch. Roy, Professor, NBU
	2.30 – 4.00	Politics and Bengali Literature I	Prof. Selim Box Mandal, JU
	4.00 – 5.30	Politics and Bengali Literature II	Prof. Selim Box Mandal, JU

20.08.2023 SUNDAY		SUNDAY / HOLIDAY	
21.08.2023 Monday	10.30 – 12.00	Machine Learning and its Applications	Dr. Rakesh Kumar Mandal, Comp. Sc, NBU
	12.00 – 1.30	Philosophy of Research	Prof. Anjan Chakrabarti, HRDC, NBU
	2.30 – 4.00	Development and Environmental Conundrum	Prof. Anjan Chakrabarti, HRDC, NBU
	4.00 – 5.30	“Educational Status of Scheduled Tribes in West Bengal: Attainments and Challenges	Dr. Sudash Lama, NBU
22.08.2023 Tuesday	10.30 – 12.00	How to bring project grant from different funding agency	Dr. Sanjib Bhattacharya, Associate Professor and Deputy Director, UGC HRDC – NBU
	12.00 – 1.30	Lierature through Music	Dr. Somenath Chakraborty, Violinist, Lalgola College
	2.30 – 4.00	NAAC	Prof. Debabrata Mitra, Hon’ble Vice Chancellor & Professor, Dakshin Dinajpur University
	4.00 – 5.30	Time Management	Prof. Debabrata Mitra, Hon’ble Vice Chancellor & Professor, Dakshin Dinajpur University

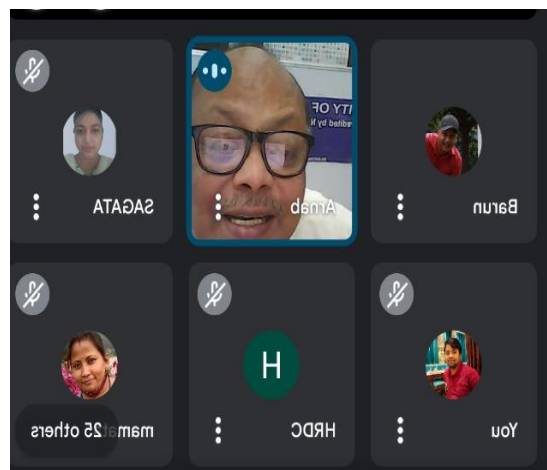
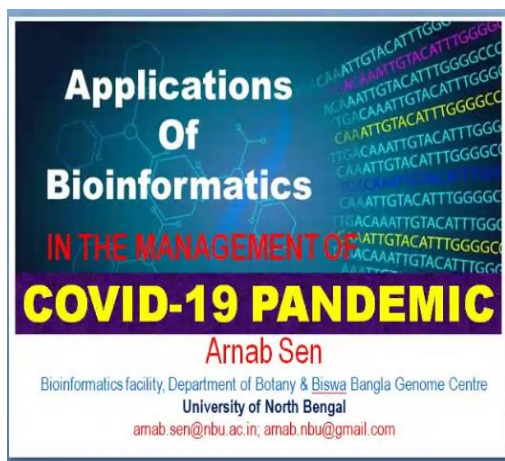
Date: 16.08.2023 (Day Seventeen)

Session- I

Time: 10:30 a.m. to 12:00 p.m.

Resource Person: Professor Arnab Sen, Bioinformatics facility, Department of Botany & Biswa Bangla Genome Centre. University of North Bengal

Topic: “Applications of Bioinformatics In The Management of COVID-19 PANDEMIC”



The UGC-HRDC of University of North Bengal has organized 13th Faculty Induction Programme from 26.07.2023 to 25.08.2023; and today was the Seventeen Day of the Course. The first lecture was delivered by Professor Arnab Sen. He is the Bioinformatics facility, Department of Botany & Biswa Bangla Genome Centre. University of North Bengal, West Bengal, India. The title of his paper was- “Applications of Bioinformatics In the Management of COVID-19_PANDEMIC”. He explained the different characterises of Covid -19 and its impact on human race. First, he discussed about various epidemic in the world. He elaborated the infection mechanism of Covid-19 and issues of bioinformatics and biomedicine related to Covid. He discussed in detail the various strategies adopted by many countries in the world. He graphically presented the impact of neurodegeneration in post-Covid situation. His informative lecture was highly praised by all.

Session- II

Time: 12:30 p.m. to 01:30 p.m.

Resource Person: Professor Ardhendu Mandal, Department of Computer Science and Technology, University of North Bengal, Siliguri, Darjeeling

Topic: “Introduction to Computer and its Maintenance”



The screenshot displays a Zoom meeting interface. At the top, a presentation slide is visible with a blue background and white text. The slide title is "Introduction to Computer and its Maintenance (HRDC, NBU)". Below the title, it lists "Dr. Ardhendu Mandal" as the Associate Professor & HoD of the Department of Computer Science and Technology at the University of North Bengal, India. Contact information includes the website www.nbu.ac.in and email addresses am.csa.nbu@gmail.com and am.csa.nbu@nbu.ac.in. Below the slide, the Zoom interface shows a gallery view of participants. The top bar indicates "HRDC is presenting" and includes icons for mute and video. The gallery view shows six participant tiles: Barun, HRDC (the presenter), HRDC (a green tile with a white 'H'), You, Karishma, and Narayen24 others.

The second lecture was by Dr. Ardhendu Mandal, Department of Computer Science and Technology, University of North Bengal, Siliguri, Darjeeling. The title of this presentation is “Introduction to Computer and its Maintenance”. He discussed in detail that the present day world will stop without computer technology. It is a contribution of globalization. He expressed various aspects of computer and its application in the human society in an extended canvas. He demonstrated how we can use computer technology in our day to day academic activities. He discussed about machine learning, AI and their ethical implications in academia.

Session- III & IV (Time: 02:30 p.m. - 05:30 p.m.)

Resource Person: Dr. Sanjib Bhattacharya, Associate Professor, Department of Physics,
Deputy Director-UGC-HRDC, University of North Bengal, WB, India.

Topic: “Global Science for Global Wellbeing”



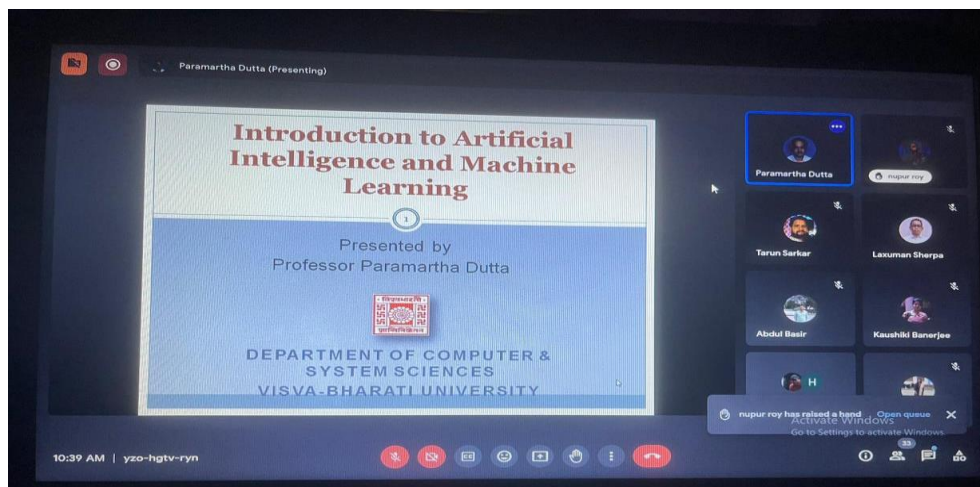
The third lecture was delivered by Dr. Sanjib Bhattacharya, Associate Professor, Department of Physics, Deputy Director-UGC-HRDC, University of North Bengal, WB, India. His topic of discussion was- “Global Science for Global Wellbeing”. It was a wonderful lecture on the implementation of various tools of science in our life. The way he demonstrated on various aspects of technology on our lives was fascinating. By focusing on the integration of science, technology, and innovation , he brilliantly highlighted the significance of scientific advancements and their impact on our future. Before concluding he started a Q&A session among the teacher participants and all took part in the session. It was a thoroughly engaging session.

(Report Submitted by Ujjal Oraw, Roll No. 22 & Narayan Baishya, Roll No. 29)

Date: 17.08.2023

Session: I, Time: 10:30 AM-12PM

Resource Person- Prof. Paramartha Dutta
Topic: Introduction to Artificial Intelligence and Machine Learning



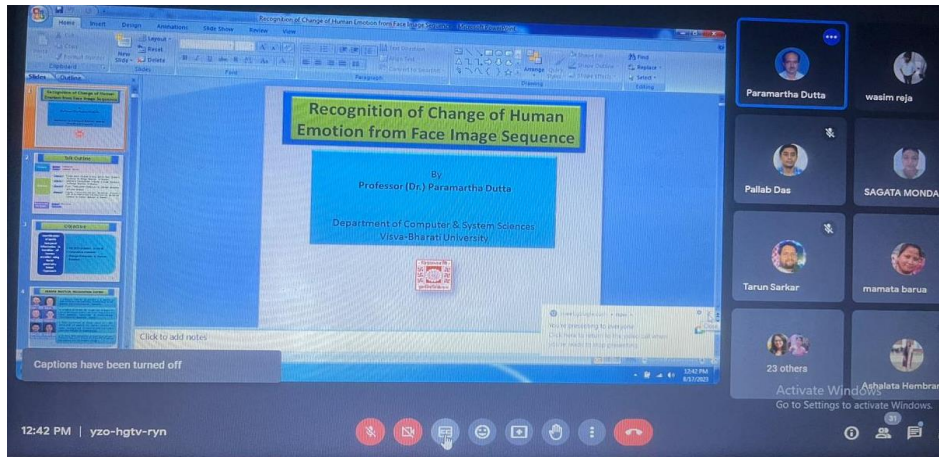
On the 1st half of the day 18th of FIP-13th, the day began with a welcome address by Prof. Mossaraf Hossain Sir, the joint coordinator of FIP-13th in the presence of all the teacher participants and accompanied by the director of UGC-HRDC, the Deputy Director of UGC-HRDC and Assistant Director of UGC-HRDC. One of our ICT team members welcomed today's eminent resource person Prof. Paramartha Dutta, who is a professor and head of the department of Computer and System Science at Visva Bharati University. Prof. Dutta delivered a lecture on the 1st topic of "Introduction to Artificial Intelligence and Machine Learning". At first Prof. Dutta give brief introduction of Artificial Intelligence (AI) and Machine Learning (ML). Then he talked about the importance and impact in various field of AI and ML. He explained how AI and ML impact healthcare, finance and retail etc. He also stated that in healthcare, nowadays, major activities, even surgery are duly supplemented by suitable or powerful AI and MI applications. Prof. Dutta also discussed about the key components of AI, types of AI and ML and characteristics and limitation of AI etc.; and he explained step by step every types of AI. In the interactive session numerous questions were raised by the participants and some of these questions are as follows: what is data clustering? Popular languages that used in AI? Prof. Dutta satisfactorily answered all the questions and the session ended at 12:20 noon.

Date (17.08.2023)

Session: II, Time: 12:00 PM-1:30PM

Resource Person- Prof. Paramartha Dutta

Topic: Recognition of Changes of Human Emotion from Face Image Sequence.



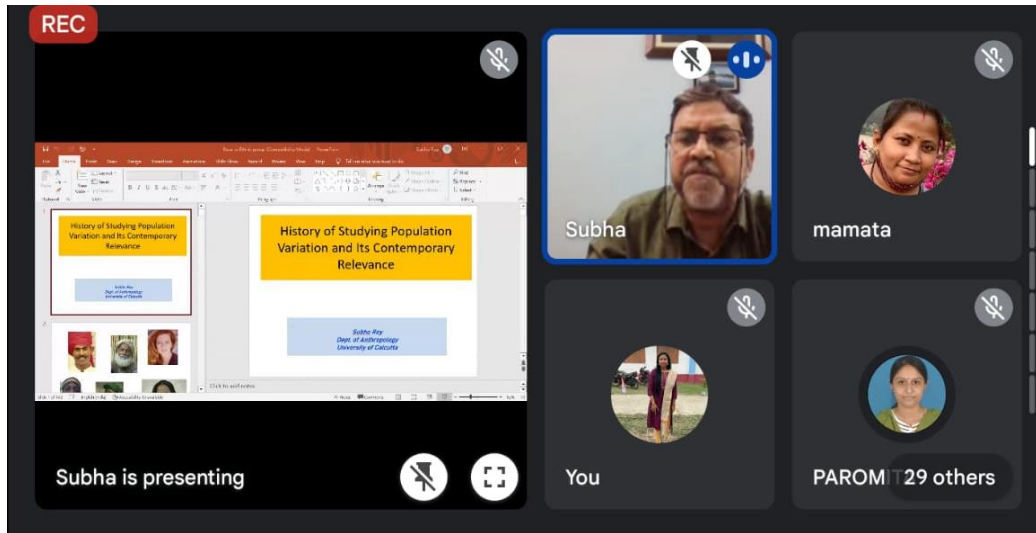
After a break of 10 minutes, the second session of the 18th day of the 13th Faculty Induction Programme started at 12:30 PM. In this session, Prof. Dutta discussed how we recognized a change in human emotion from the face image sequence. He also discussed the objectives of this matter. Prof. Dutta also discussed with us about “Human Emotion Recognition System”. He mentioned that intelligent emotion recognition is a process of understanding human behaviour, identifying mental disorders and human-computer interaction. He also informed us that there are six basic facial expressions of humans that are universal: anger, disgust, fear, happiness, sadness and surprise. He also talked about the part of the Facial Expression Recognition System (FERS) and give a brief introduction to appearance-based feature extraction and geometric-based feature extraction. In this session, Prof. Dutta also talked about some approaches and their uses like the static image-based approach, video-based approach etc. In the concluding part of the lecture, Prof. Dutta talked about AAM which is the Active Appearance Model and how this model plots landmark points on the face. Also, he graphically represented this model and showed us some databases of human expression. In the interaction session, some of our participants raised some valuable questions and Prof. Dutta nicely answered all the questions. The session was concluded at 01:30 PM with a vote of thanks to Prof. Dutta.

Date: 17.08.2023

Session: III, Time: 2:30 PM-4:00PM

Resource Person- Prof. Shuvo Roy

Topic: History of Studying Population Variation and its Contemporary Relevance

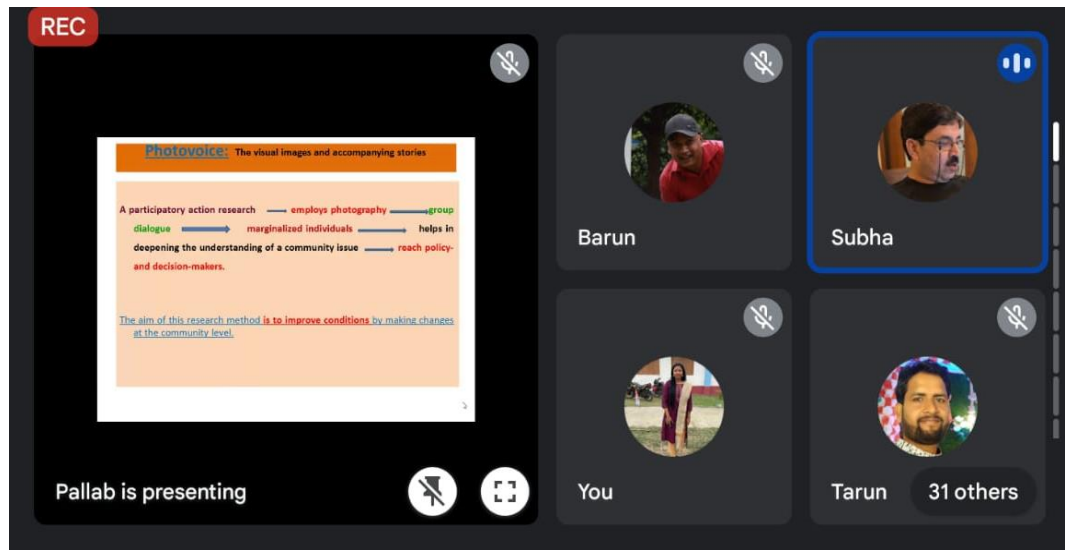


Second resource person was Professor Shuvo Roy. He discussed on “History of Studying Population Variation and its Contemporary Relevance”. He talked of variation in terms of physical appearances, body structure and so on. He referred some eminent scholars who talked of population variation or race. French scholar George Louis Leclerc, classified population in six categories. German scholar Blumenbach classified five categories of race. Anthropologists Earnest Hooton said race is a group whose members present individually identical combinations of physical characters. Scholar Herbert Hope Risly said Indian population or race was classified into seven categories. Anthropologists Boyd said about racial criteria which must be objective, nonadaptive, environmental influence and subject to high rate of mutation. Prof. Roy also said that in Post-world war II Evolutionary perspective of variation could be seen. He concluded the session by highlighting the saying of evolutionary biologist Richard Lewontin, who says, the majority of human genetic variation occurred within a given population opposed to between populations.

Date: 17.08.2023

Session: IV, Time: 4:00 PM-5:30PM

Resource Person- Prof. Shuvo Roy
Topic: Photo Voice



Professor Subho Roy then started the next session by discussing about the topic ‘Photo Voice’. He argued that a photo can speak, narrate events. For him, Photo Voice is photo plus movement. The heart of Photo voice is the intermingling of images and words. In Photo voice different kinds of images and words are used to express what we need, what we fear, what we cherish, what we dream of and all sorts of other ideas. He cited an example of Professor Caroline Wang, who said “Photo voice is a method by which people can identify, represent and enhance their community through a specific photographic technique”. Lastly, he mentioned the types of organizations that could benefit using photo voice. The organizations were schools, orphanages, homeless shelters, community health centers, refugee organization etc.

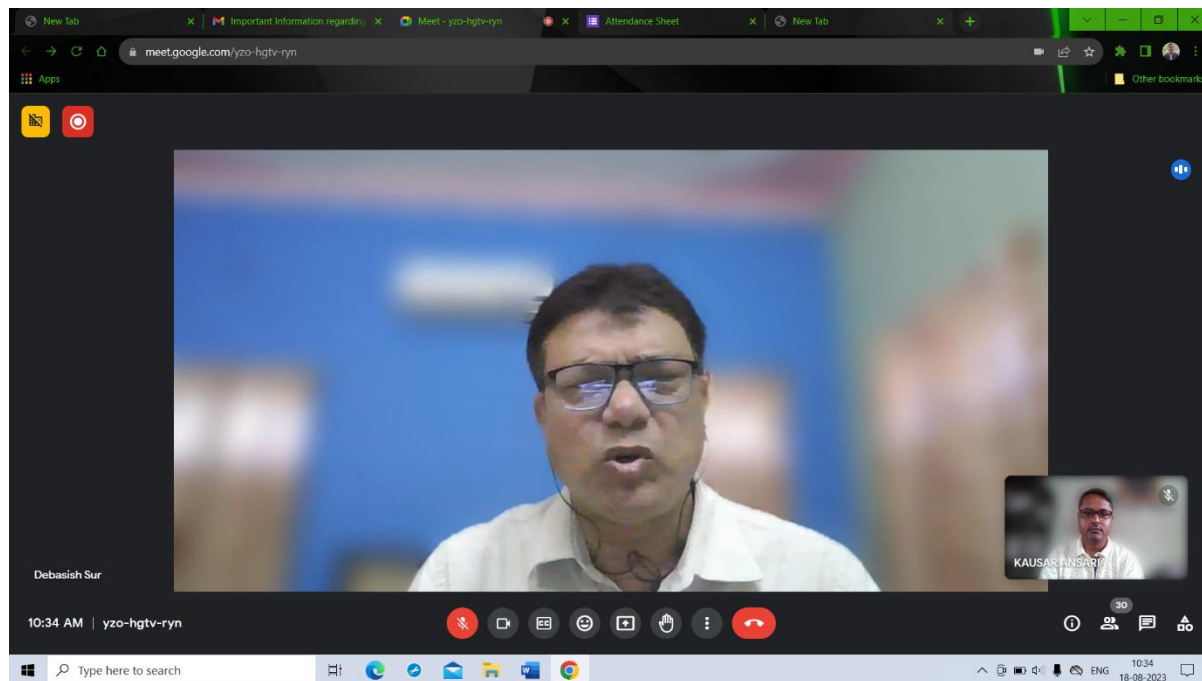
It could be said that the above lectures of the eminent resource person were nothing but an intellectual feast for the teacher participants. And they have been benefited greatly from those lectures.

Report presented by
Ashalata Hembram (Roll No. 23)
Dr. Madhumita Das (Roll No. 28)

Date: 18.08.2023

Session I: 10:30 a.m. – 12:00 noon of **Prof. Debasish Sur, Dept. of Commerce, BU**
Session II: 12:00 noon – 1:30 p.m. of **Prof. Bikash Ch. Paul, Dept. of Physics, NBU**
Session III: 2:30 p.m. – 4:00 p.m. of **Prof. Tanwir Arshed, Dept. of Pol. Sc. PU**
Session IV: 4:00 p.m. – 5:30 p.m. of **Dr. Partha Karmakar, JDPI, HED**

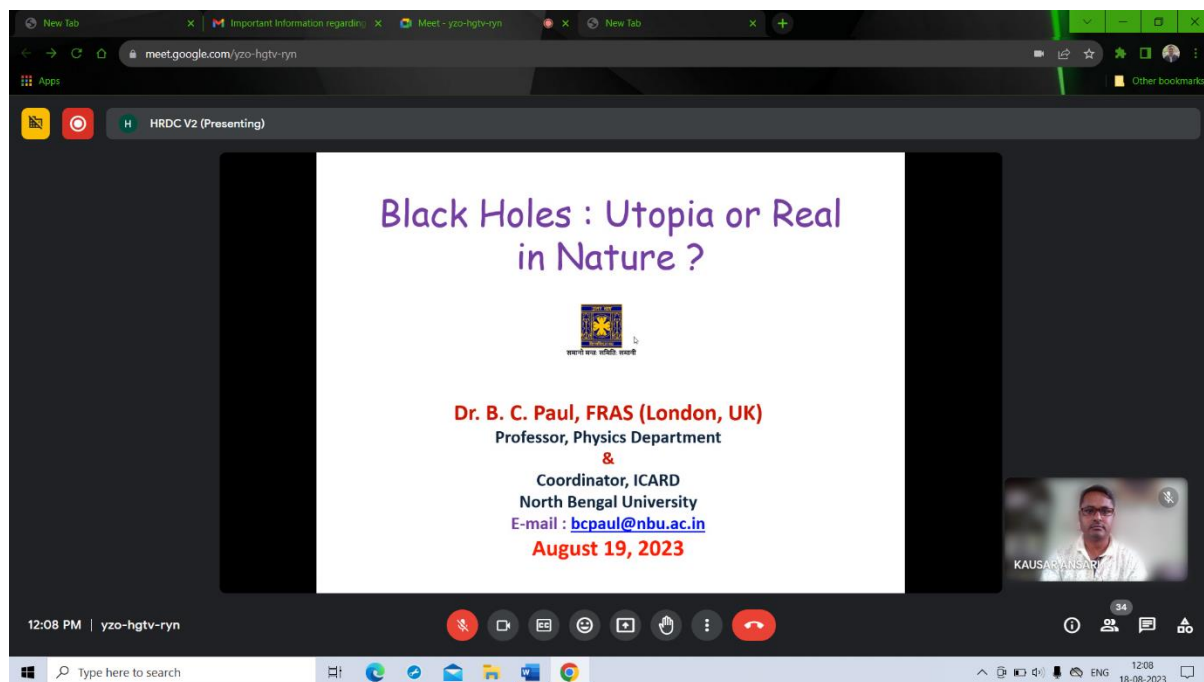
Session I: (10:30 a.m. – 12:00 noon)



Prof. Debasish Sur, Burdwan University

The **first session of the 19th Day of 13th FIP** started by Dr. Mossaraf Hossain, Jt. Coordinator, HRDC, NBU by welcoming **Prof. Debasish Sur**, Department of Commerce in Burdwan University. With the introductory note of **Prof. Debasish Sur** by Prof. Laxman Sherpa, Assistant Professor of Government General Degree College at Pedon, Kalimpong, the first session started. Prof. Debasish Sur started the session by giving a brief note on “Digital India” during the period of Covid-19 pandemic. He also highlighted some important key notes on Covid – 19 pandemic and its impact on the economy of India. He added in his lecture How Covid – 19 affected each and every sector of the country and how it disrupted the economic growth of the country. He mainly focused on the comparative study between the Pandemic period and Post – Pandemic period. He also highlighted on the positive and negative aspects of the Pandemic period. With this, he concluded his lectures. Some participants raised questions during the interactive session and Prof. Debasish Sur gave satisfactory answers to their questions. In this way, the first session ended which was very important and relevant in the present context.

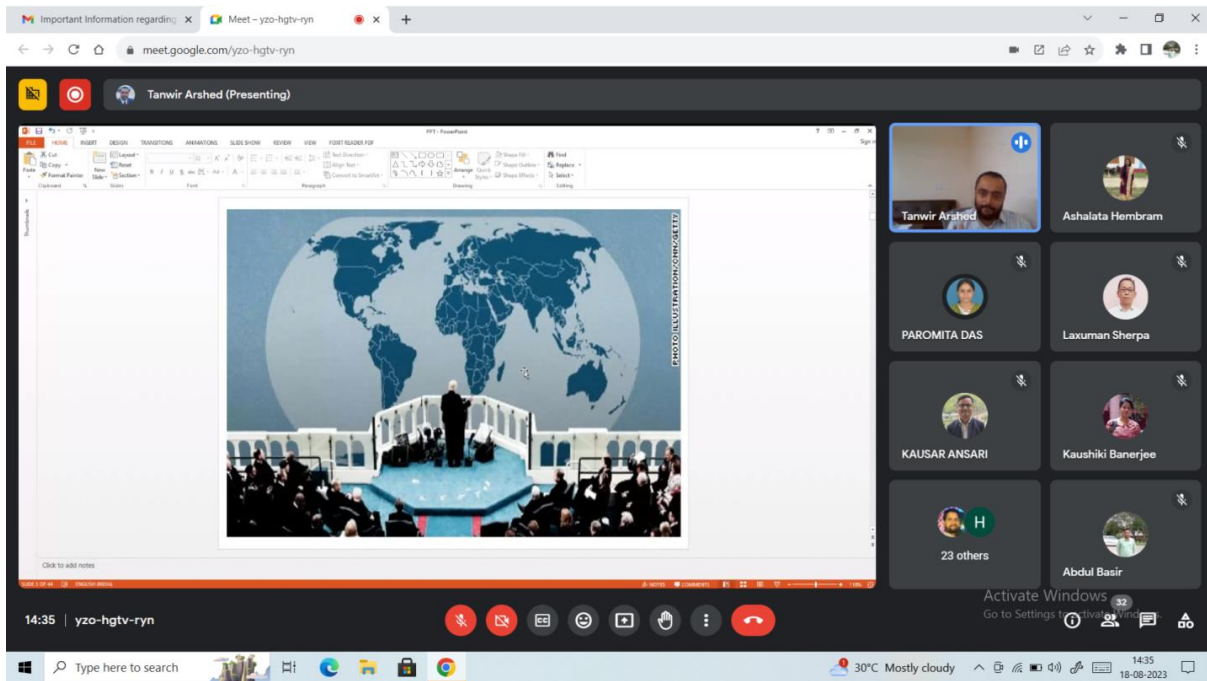
Second II: (12:00 noon – 1:30 p.m.)
Speaker: Prof. Bikash Chandra Paul, NBU



After the end of the first session at twelve o'clock, the Second session was started with introductory note of **Prof. Bikash Chandra Paul** by Paromita Das, Assistant Professor of University of North Bengal. Prof. B. C. Paul started his lectures with power point presentation. His topic was “**Black Holes: Utopia or Real in Nature**” which was an important and interesting topic of today’s session. He explained about the Galaxy and stars. He continued and demonstrated the birth and death cycles of stars. He also focused on the various types of Nebula i.e Cats eye, Horse Head, Red Rectangular and Orange Nebula. He continued his lectures through PPT and mainly focused on ‘Black Holes’ which was one of the most important issues in the world. His lecture was descriptive and knowledgeable. He also ended his lectures with the interactive session where some participants raised questions regarding the relevant topic. Prof. B.C. Paul gave the satisfactory answers of the questions. With this, the second session ended which was enriching and effective.

Session III: 2:30 p.m. – 4:00 p.m.

Speaker: Dr. Tanwir Arshed ,Assistant Professor of Political.sc. PU

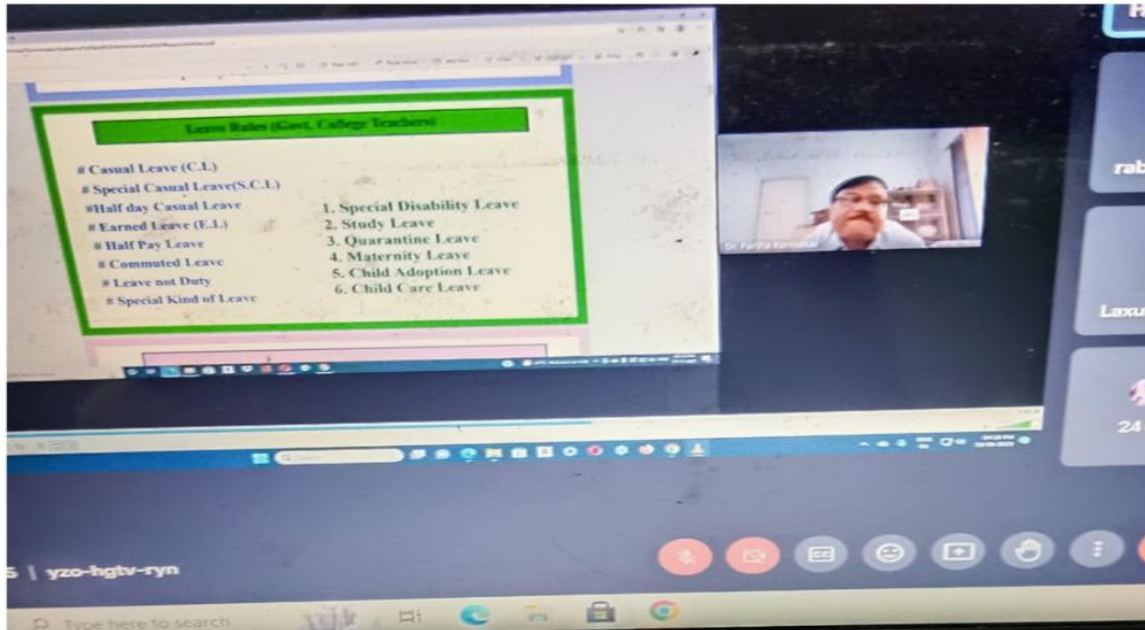


The 3rd Session of the 19th Day of 13th FIP was inaugurated by Dr Sanjib Bhattacharya, Deputy Director , HRDC,NBU. Prof. Tanwir Arshed, Department of Political science, PU, was welcomed with introductory note by Ahalata Hembram ,Assistant Professor of Government Aided college was started. Dr. Tanwir Arshed discussed on “How ‘NOT’ To Read World Politics” .Firstly he discussed with us about realism and liberalism. Then he defined these two theories. He discussed the present scenario of world politics. Then he demonstrated how world is divided into two power groups: USA and USSR .Lastly, he also elaborated the mutual relation between power and masculinity.

Session IV: 4:00 p.m. – 5:30 p.m.

Interactive session

After the end of 3rd session at 4:00 p.m., next session was started with an interactive session on the topic: “Academic and Administrative Responsibilities of College /University Teacher”. by Sanjib Bhattacharya, Deputy Director ,HRDC, NBU. His



Report Prepared by --

KAUSAR ANSARI (Roll No. 24)

ASSISTANT PROFESSOR IN HISTORY (W.B.E.S.)

GOVERNMENT GENERAL DEGREE COLLEGE AT PEDONG

Date: 19.08.2023

Sessions and the resource persons:

Session I: Prof. Bikash Ch. Paul, Dept. of Physics, NBU, 10:30 a.m. – 12:00 noon

Session II: Prof. Subash Ch. Roy, Dept. of Botany, NBU, 12:00 noon – 1:30 p.m.

Session III: Prof. Selim Box Mandal, Dept. of Bengali, CU, 2:30 p.m. – 4:00 p.m.

Session IV: Prof. Selim Box Mandal, Dept. of Bengali, CU, 4:00 p.m. – 5:30 p.m.

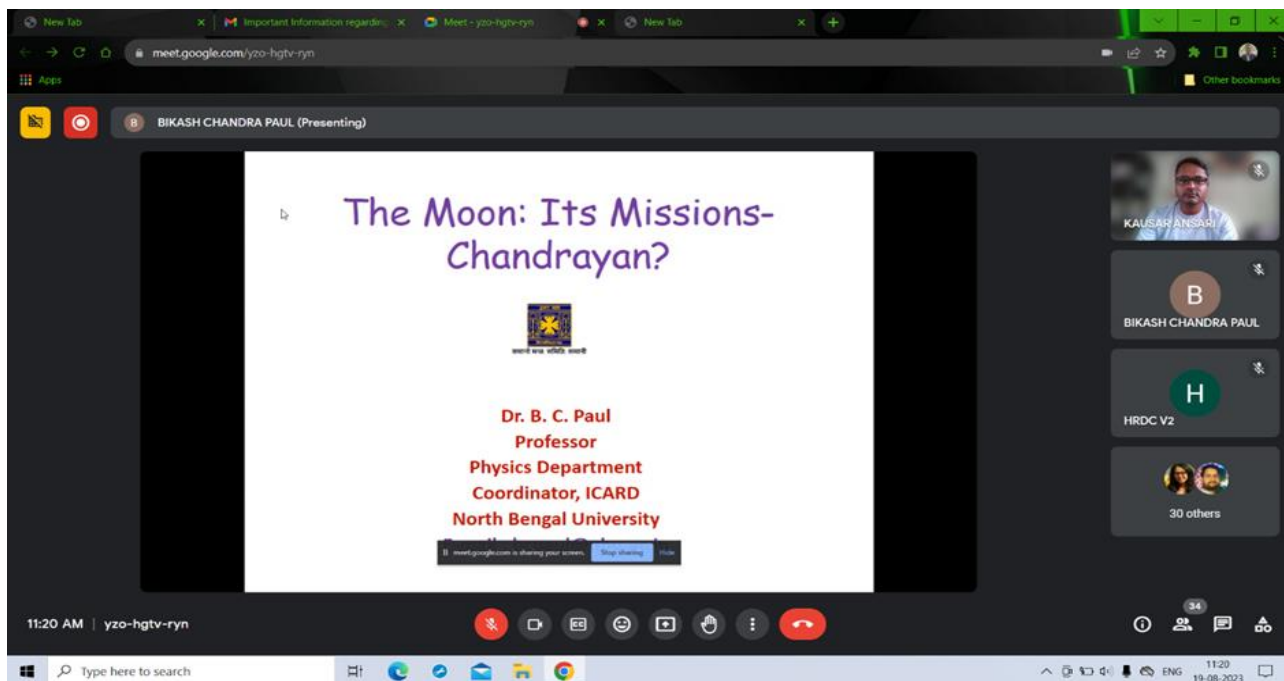
Session I: (10:30 a.m. – 12:00 noon)

Speaker: Prof. Bikash Ch. Paul, Dept. of Physics, University of North Bengal.

Topic: “Space Exploration” and “The Moon its Mission – Chandrayan”

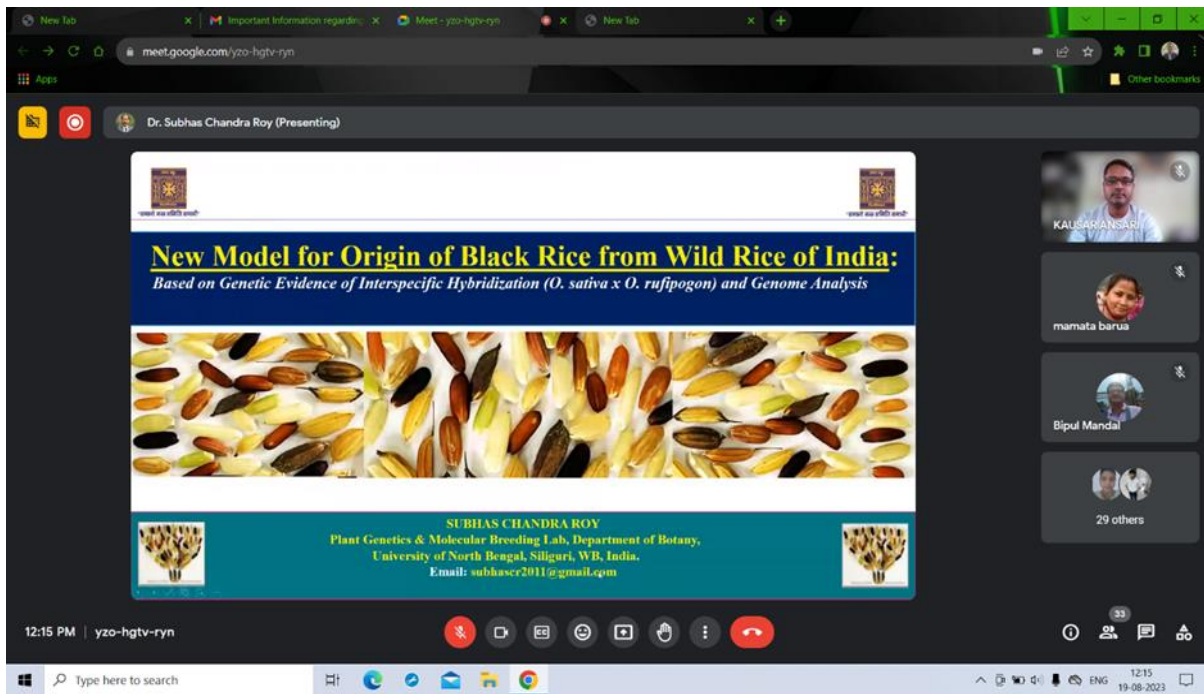
As usual, day 20th (Saturday) of 13th Faculty Induction Programme, HRDC, NBU started at 10.30 am. Prof. Mossaraf Hussien UGC, HRDC, NBU started the programme by welcoming the resource person and all participants from various institutions of West Bengal and other states. Prof. Paul started his lecture on “Space Exploration” and “The Moon its Mission – Chandrayan”. Firstly, he discussed rocket technology and its historical background in detail. He also presented the chronicles of Indian space mission and clarified many issues relating to manned and unmanned space vehicle. Secondly, he talked about Chandrayan and its journey from earth to moon. Prof. Paul also discussed how satellite enters into the lunar orbit from the earth orbit. He provided us with many unknown information about Chandrayan-II & III and its significance.

The screenshot displays a Zoom meeting in progress. The main window shows a presentation slide with the following text: "Space Exploration-I", "Dr. B. C. Paul, FRAS (UK)", "Physics Department", "North Bengal University", "bcpaul@nbu.ac.in (e-mail)", and "HRDC, NBU August 19, 2023". The Zoom interface includes a top bar with the presenter's name "BIKASH CHANDRA PAUL (Presenting)", a right-hand sidebar with participant thumbnails for "KAUSHIK ANSARI", "BIKASH CHANDRA PAUL", "HRDC V2", and "28 others", and a bottom toolbar with various meeting controls. The system tray at the bottom shows the time as 10:35 AM and the date as 19-08-2023.



Session II: 12:00 noon. – 1:30 p.m.

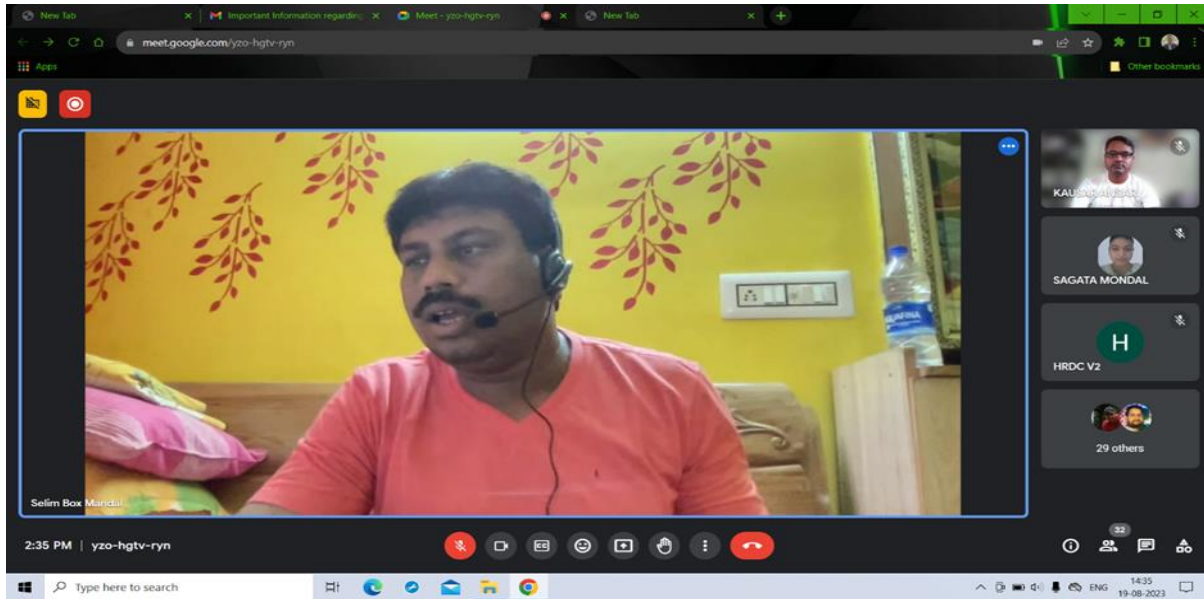
As usual, for the second lecture session of the 1st half, Prof. Sanjib Bhattacharya, Asst. Director, HRDC, NBU, introduced the renowned resource person, Professor Subash Ch. Roy, Dept. of Botany, University of North Bengal to us and requested him to deliver his lecture on “New Model for Origin of Black Rice from Wild Rice of India”. Prof. Roy gave a brief description regarding the origin of rice along with state-wise cultivation and production in India. He also discussed the different types of rice and its qualities. He specifically described how wild rice convert into domestic rice. Prof. Roy also discussed about black rice and its origin. He also stated that genes of the *Oryza Rufipogon* is available only in Raiganj, India.



Session III&IV: 2:30 p.m. -5:30pm

The second half started at 2.30 pm. Prof. Mossaraf Hussien, HRDC, NBU started the session by welcoming resource person Prof. Selim Box Mandal. Dr. Sagata Mandal introduced Prof. Mandal, Dept. of Bengali, Jadavpur University to us and requested him to deliver the lecture. Prof. Mandal delivered a lecture on “Literature and Politics” in Bengali. It was very interesting and informative lecture about political persons of those who are engaged in literature. Later on, Prof. Mandal described the various Bengali novels and its political and historical significance. It

was very enriching moment for participants from literature background as well as others participant too. All the sessions were very interactive and questions asked by some teacher participants were answered satisfactorily. Prof. Mossaraf Hussien concluded the session with vote of thanks.



Report prepared by:
Laxuman Sherpa, Roll No. 04
Govt. General Degree College at Pedong.

Date: 21.08.23

Date	Session	Time	Resource Person
21/08/2023	I	10:30 AM-12:00 NOON	Dr. Rakesh Kumar Mandal Comp.Sc, NBU
	II	12:00 NOON-1:30 PM	Prof. Anjan Chakrabarti, HRDC, NBU
	III	2:30 PM-4:00 PM	Prof. Anjan Chakrabarti, HRDC, NBU
	IV	4:00 PM-5:30 PM	Dr. Sudash Lama, NBU

Session- I

Time: 10:30AM -12PM

Resource Person: Dr. Rakesh Kumar Mandal, Associate Professor, Department of computer

Science, North Bengal University

Topic: Machine Learning and Its applications

Machine Learning and Its Applications

By:
Dr. Rakesh Kumar Mandal
Associate Professor
Department of Computer Science and Technology
University of North Bengal

10:43 | yzo-hgtv-ryn

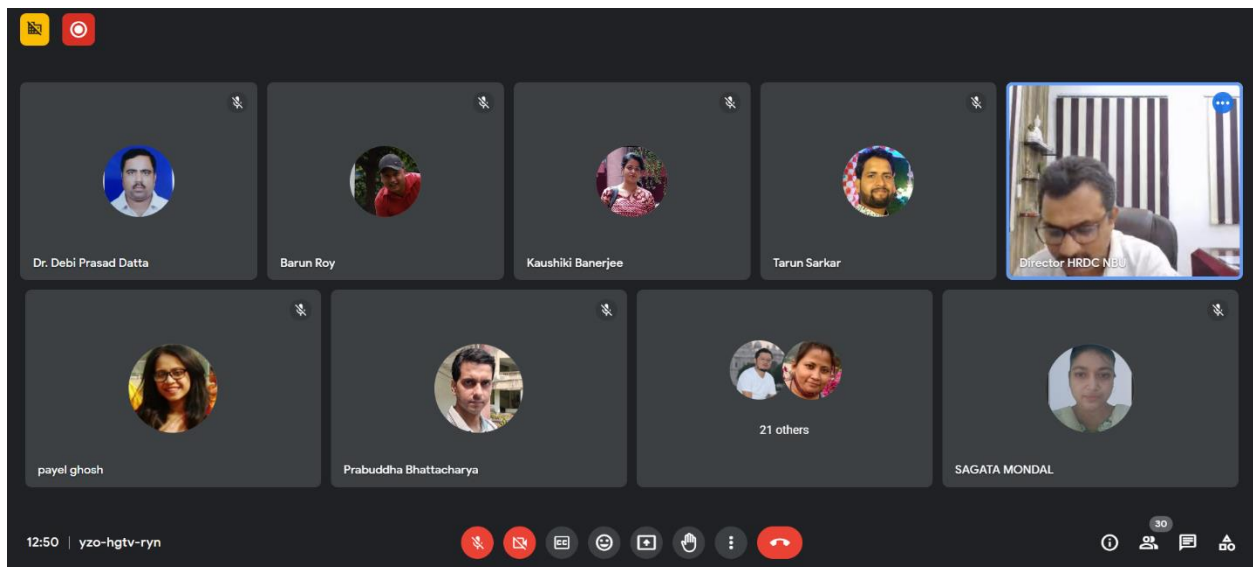
Medical Science - benefitted a lot from data science and machine learning

10:59 | yzo-hgtv-ryn

Dr. Rakesh Kumar Mandal delivered his talk on a very important topic: the use of Machine learning and its applications. He started by discussing very basic ideas like the concept of intelligence, machine learning, artificial intelligence, etc. By citing different examples, he also demonstrated how the degree of intelligence varies from animal to animal. He also explained how, with the advancement of computer, data storage techniques has changed drastically. He cited the example of Facebook. He also discussed how the YouTube, which is mainly based on A.I. techniques, analyses the viewers' choice of programme. He then continued his lecture by demonstrating the involvement of Artificial Intelligence and Machine learning in the fields of Medical Science, research, Law enforcement, etc. He further explained the different methods of machine learning and common machine learning algorithms. The real world machine learning usage includes speech recognition, customer service, computer vision recommendation engines, automated stock trading, fraud detection, etc. He analysed the different challenges of Machine Learning. He efficiently made us understand how much beneficial this machine learning is for the advancement of our day to day life.

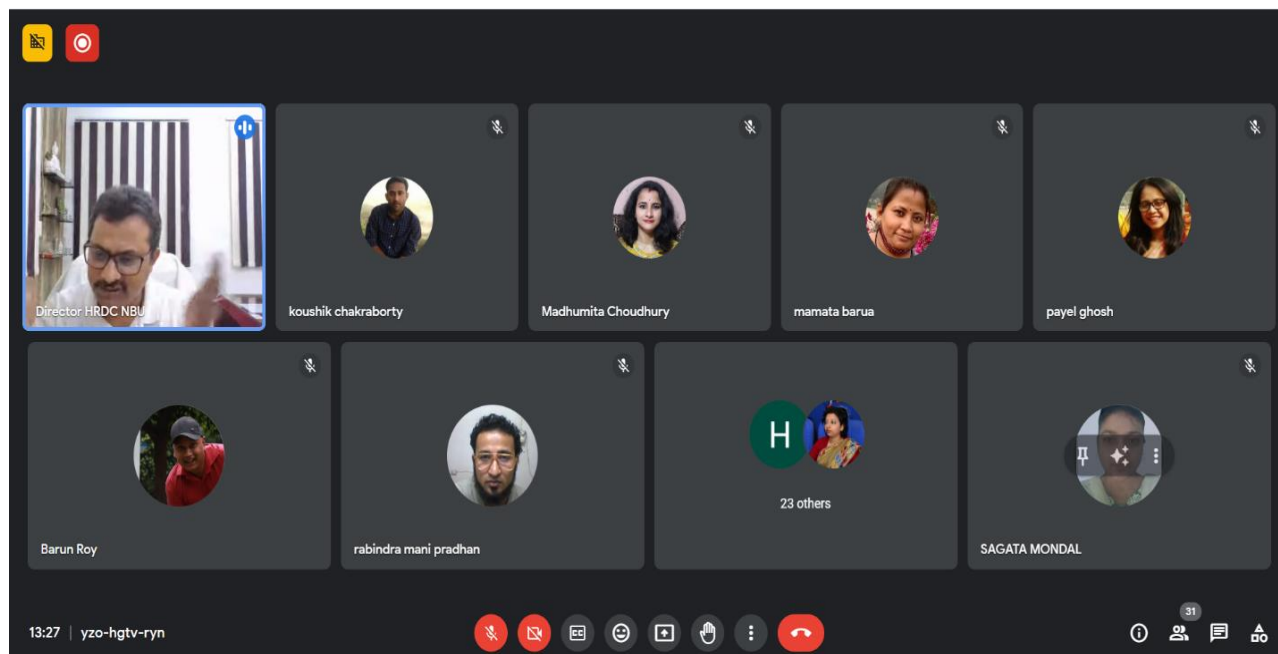
Session- II, Time: 12PM-01:30PM

Resource Person: Prof. Anjan Chakrabarti, Professor-Director, UGC-Human Resource Development Centre, North Bengal University
Topic: PHILOSOPHY OF RESEARCH



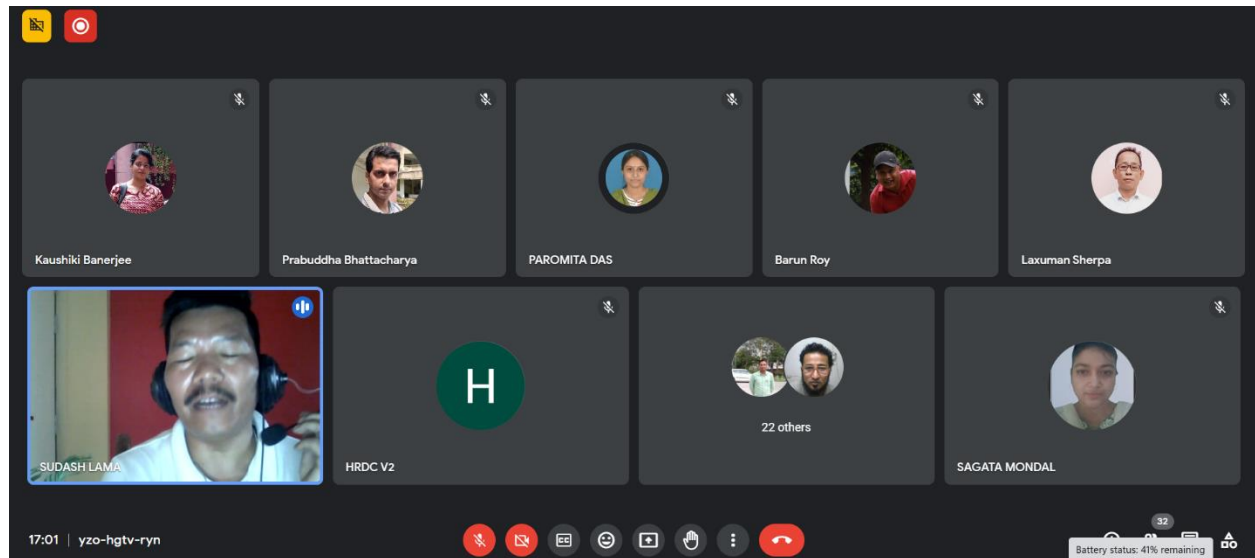
Prof. Anjan Chakrabarti introduced the idea of the Philosophy of research. He started his talk by explaining the basic knowledge on research and its importance. He skillfully explained the basic philosophical problems that most of the researchers face during their PhD research. He also, with many exquisite examples, explained different philosophies that lie in different subjects like Political science, Literature, Economics, History, mathematics, Statistics, Economics, Biological science etc. He also put light on the Darwinian philosophy of species formation. Thus, we came to know about various philosophical ideas on various subjects hitherto unknown to us.

Session- III, Time: 02:30PM-04:00PM
**Resource Person: Prof. Anjan Chakrabarti, Professor-Director, UGC-Human Resource
Development Centre, North Bengal University**
Topic: Development and Environmental Conundrum



Prof. Anjan Chakrabarti, after a short break, entered into his next topic: “Development and Environmental Conundrum”. He explained different issues of environmental hazards that drastically affect human health, wildlife and natural resources on earth. He also explained how the overexploitation of natural resources results in the rise of temperature of the earth and thereby causes Global Warming, which is one of the main factors behind various types of natural disasters throughout the World. Prof. Anjan Chakrabarti also explained the term Ecological footprint and its implications for humanity.

Session- IV, Time: 04:00PM-05:30PM
Resource Person: Dr. Sudash Lama, Associate Professor, Department of History,
North Bengal University
Topic: Educational facility and various difficulty of ST communities



In this Fourth session Dr. Sudash Lama gave a lecture on educational facility and various difficulties faced by the Students belonging to Tribal communities. He argued that historically tribal communities are marginalized segment of society. The educational progress of tribal communities depends on various factors like economy, social values etc. He also talked about the idea of “the inhabiting forces of educational mobility”. He also analysed the reasons for dropout of ST students from educational institutions at various levels. He strongly advocated the role of the government to improve their education. The urban students, with better infrastructure facility and confidence, do better than others. At the end of the session, Dr. Sudash Lama patiently answered all the question asked by the participants and cleared the doubts raised by them.

Report Submitted by

Dr. Sagata Mondal, Roll 10, Vidyasagar College, Kolkata: 700006

& Dr. Mamata Barua, Roll 26

Mrinalini Datta Mahavidya Vidya pith, Birati. Kolkata 51.

Date: 22.08.2023

Session: 1st , Time: 10: 30 AM- 12.00 AM

Speaker: Dr. SANJIB BHATTACHARYA

Topic: Funding Agencies

The very first session was begun at 10.30 am. Dr. Mossaraf Hossain, Jt. Coordinator, HRDC, NBU welcomed the 1st speaker of the session, Prof. Sanjib Bhattacharya, Assistant Director, HRDC FIP 13th, HRDC, NBU. He delivered a very important and useful lecture on how to apply to various funding agencies for research grants in India. He explained the various types of research projects and its categorizations. He demonstrated experimental project and theoretical project; and pointed out the differences between them. Then he discussed in detail the guidelines and objectives of the Research project. He taught us how to develop a good research proposal. He categorically demonstrated the dos and don'ts. His lecture cleared many doubts and questions regarding research funding. Some participants raised question during the interactive session and Dr. Bhattacharya gave satisfactory answers to their questions.



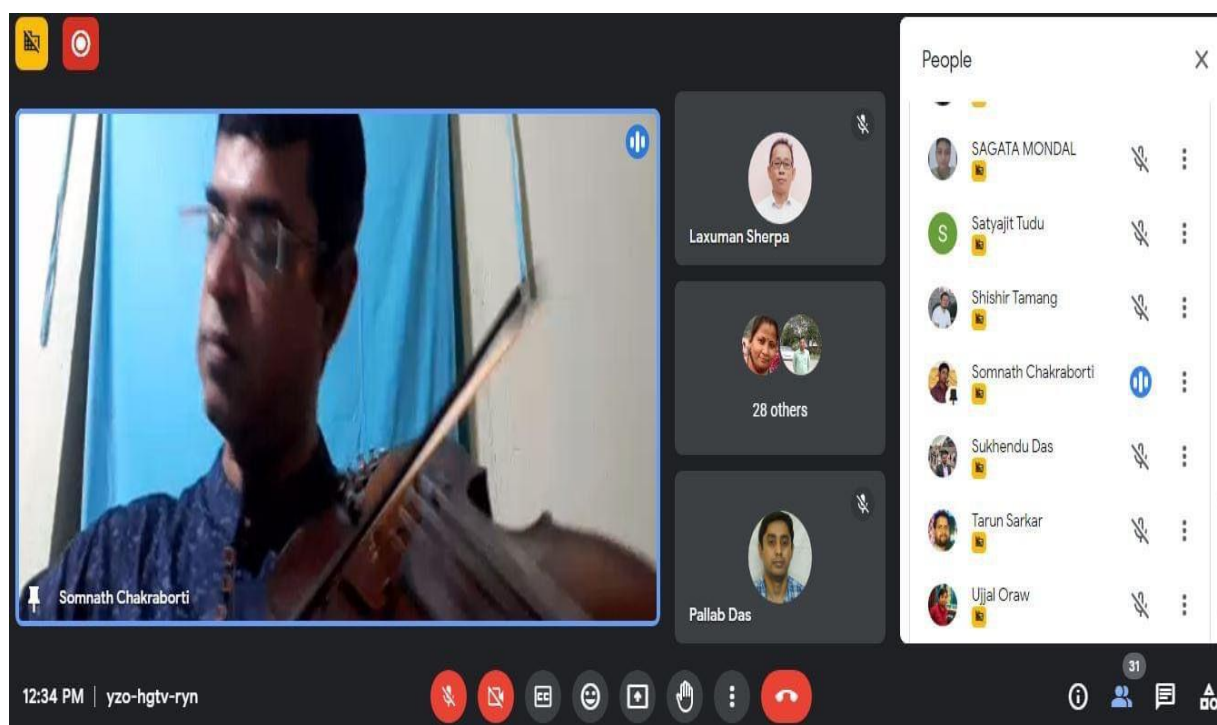
Date: 22.08.2023

Session: 2nd, Time: 12.00 AM- 1.30 PM

Resource Person: Dr. Somnath Chakraborty, Assistant Professor of English, Lalgola College

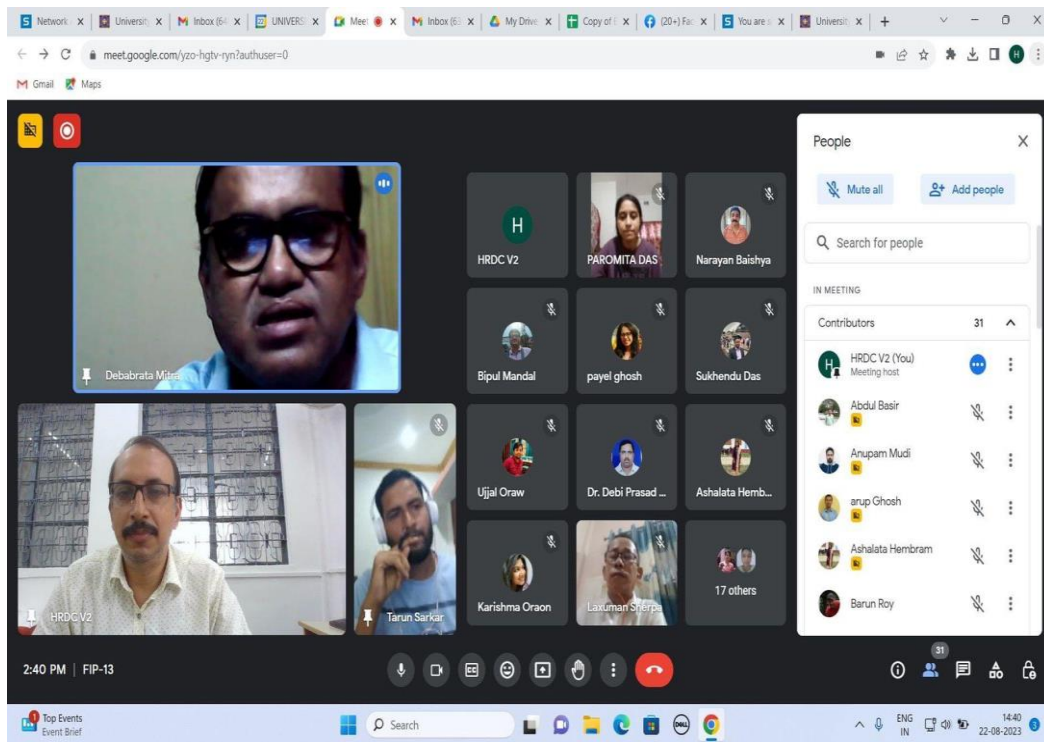
Topic: Literature and Music

The 2nd session began at 12 P.M. with the welcome note of Dr. Barun Roy, an ITC Team member. An eminent resource person Dr. Somnath Chakraborty delivered a wonderful lecture on “Literature and music”. He very beautifully sang a Rabindra Sangeet. He discussed how a literary text or a poem can be analysed or read stylistically. He explored the relationship between literary text and music with numerous examples. He explained the elements of both literary text and instrumental music. He talked about inventing new pedagogies to make teaching-learning process more attractive and captivating. He also discussed how music help to reduce worries, stress and anxiety in our life and he also talk about the importance of music in our daily life. The session was very wonderful and all the participants were enriched by his speech and also by getting interactions with him.



Date: 22.08.2023
Session: 3rd, Time: 2.30 PM – 5.30 PM
Resource Person- Prof. Debabrata Mitra, Hon`ble Vice Chancellor
Topic: NAAC (National Assessment and Accreditation Council)
and Time Management.

The 3rd Session of the 22nd Day of 13th FIP began with the talk of Prof. Debabrata Mitra ,Hon`ble VC of Dakshin Dinajpur University. He was welcomed by Dr. Mossaraf Hossain, Assistant Director, NBU-HRDC. Prof. Debabrata Mitra`s first Topic was on `NAAC` (National Assessment and Accreditation Council). He explained why NAAC accreditation is needed in academic institutions. Then he discussed about the seven criterion of NAAC. He repeatedly pointed out the key indicator of NAAC. This session informed us about many issues related NAAC assessment and ended with questions and answers. Prof. Debabrata Mitra started another consecutive Session. The last session (4th session) of this day was started at 4 p.m. and topic was on “Time Management”. First, he tried to define time from multiple perspectives? He demonstrated why time management is needed in our daily life. He pointed out various causes behind time waste. He advised us to effectively manage time to achieve academic goals. This session enriched all with a lot of information about time management. This session ended at 5:00 p.m. with vote of thanks.



(Report presented by Karishma Oraon, Roll No- 09 and Abdul Basir, Roll No- 27)

SCHEDULE FOR 13th FACULTY INDUCTION PROGRAMME (FIP-NBU-13)

26.07.2023 – 25.08.2023

FIFTH WEEK


DATE	TIME	TOPIC	RESOURCE PERSON
23.08.2023 Wednesday	10.30 – 12.00	Cancer <u>vs</u> Our Daily Life Style and an Invention (Part-I)	Dr. Mossaraf Hossain, Assistant Professor, NBU
	12.00 – 1.30	Cancer <u>vs</u> Our Daily Life Style and an Invention (Part-II)	Dr. Mossaraf Hossain, Assistant Professor, NBU
	2.30 – 4.00	Programme Discussion among the Teacher-Participants	
	4.00 – 5.30	M C Q Exam	
24.08.2023 Thursday	10.30 – 12.00	Gender	Prof. Bulbul Dhar James, Professor, JMIU
	12.00 – 1.30	Personality development and mindfulness in teaching learning environment: a combo approach to reach the teaching goals.	Dr. Tapan Barui, LIS, NBU
	2.30 – 4.00	Self and Society - Dialogue and Dialectics	Prof. Sanjoy Roy, Professor of Sociology, NBU
	4.00 – 5.30	Self-Discussion among the participants	
25.08.2023 Friday	12.00 –	Valedictory Session VALEDICTORY ADMINISTRATIVE SLOTS	

Date: 23.08.2023

Session: 1, Time: 10: 30 AM- 12 PM


Resource Person- Prof. Dr. Mossaraf Hossain

Topic: Cancer vs Our Daily Life Style and an Invention (part-1)



समानो मन्त्र समिति समानो

Cancer vs Our Daily Life Style and an Invention



Dr. Mossaraf Hossain
Ph.D (Chemistry)
Assistant Professor
UGC-Human Resource Development Centre
&
Associated with Chemistry Department
University of North Bengal
Contact: 9434337820/8327380110
Email: hossainmossaraf@gmail.com (Primary)
mossarafchem@nbu.ac.in

On the 23rd day of the Faculty Induction Program 13 at UGC HRDC, University of North Bengal, Professor Hossain delivered a lecture on "Cancer vs. Our Daily Lifestyle and an Invention" (Part 1). He divided his lecture into two parts, namely Part 1 and Part 2. In the title, he mentioned three topics: cancer, cancer's relation to our daily lifestyle, and an invention. To begin, he discussed the concept of cancer, defining it as a term used to describe a wide group of diseases characterized by cellular malfunctions. He then emphasized that cancer is 100% curable if detected at an early stage. He proceeded to explain which parts of the body are commonly affected by cancer in men and women. He identified four common types of cancers: breast cancer, colon cancer, lung cancer, and prostate cancer. Additionally, he elaborated on seven types of digestive system cancers: head and neck cancers, esophageal cancer, stomach cancer, pancreatic

cancer, liver cancer, colon and rectal cancer, and anal cancer. Professor Hossain pointed out several causes of cancer, including biological, occupational, and environmental factors, as well as social and psychological factors. He also provided a list of anti-cancer foods that promote good health if consumed daily, such as garlic, leeks, broccoli, cabbage, cauliflower, and tomatoes.

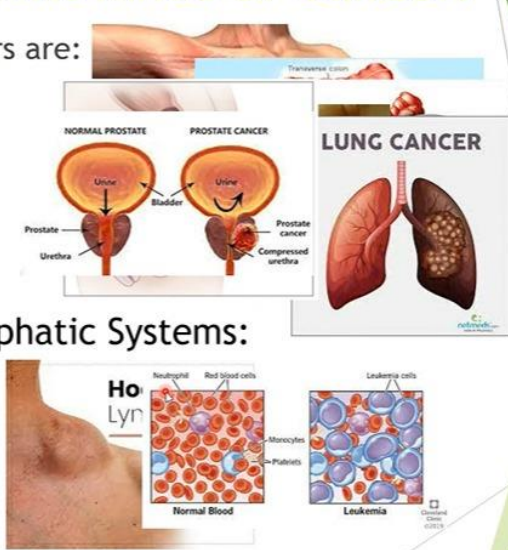
What are the different kinds of Cancer?

The four most common cancers are:

- Breast Cancer
- Colon Cancer
- Lung Cancer
- Prostate Cancer

Cancers of Blood and Lymphatic Systems:

- Hodgkin's Disease
- Leukemias
- Lymphomas
- Multiple Myeloma
- Waldenström's Disease



Session: 1, Time: 12.00 PM- 1.30 PM

Resource Person- Prof. Dr. Mossaraf Hossain

Topic: Cancer vs Our Daily Life Style and an Invention (part-II)

After a 5-minute break, the second session of the 23rd day of the 13th Faculty Induction Program began at 12:05 PM. During this session, Professor Mossaraf Hossain discussed methods of preventing cancer through diet and lifestyle. He highlighted certain vegetables and fruits, such as tomatoes, carrots, cauliflower, and broccoli, that can reduce the risk of cancer. He also mentioned specific medical tests for identifying cancer. His emphasis was on prevention, and he offered suggestions including maintaining a healthy diet, limiting alcohol consumption,

managing a healthy weight, and avoiding smoking and tobacco, all of which contribute to the fight against cancer. Professor Hossain concluded his presentation by outlining the characteristics of cancer cells in contrast to normal cells



Session: 2, Time: 2.30 PM - 4PM

During this time slot, a discursive session took place among the teacher-participants. They engaged in discussions regarding the lectures that had been delivered up to that point. The purpose of this session was to provide an opportunity for participants to address any doubts or questions they had regarding the content of all the lectures.

Session: 2, Time: 2.30 PM - 4PM Resource Person- None

An MCQ (Multiple Choice Question) test, organized by NBU HRDC, was administered. The test consisted of 30 questions, and participants were allotted one and a half hours to complete it.

Prepared by

MD Wasim Reja, Roll no – 16

Rahul Panda, Roll no - 12

Date: 24.08.2023
Faculty Induction Programme-13
(26.07.2023-25.08.2023) Organized by
UGC HRDC, NBU

Session: I (Time: 10: 30 AM- 12 PM)

Resource Person- Professor Bulbul Dhar James, Dept. of Political Science, JMIU

Topic: “DECONSTRUCTING GENDER”

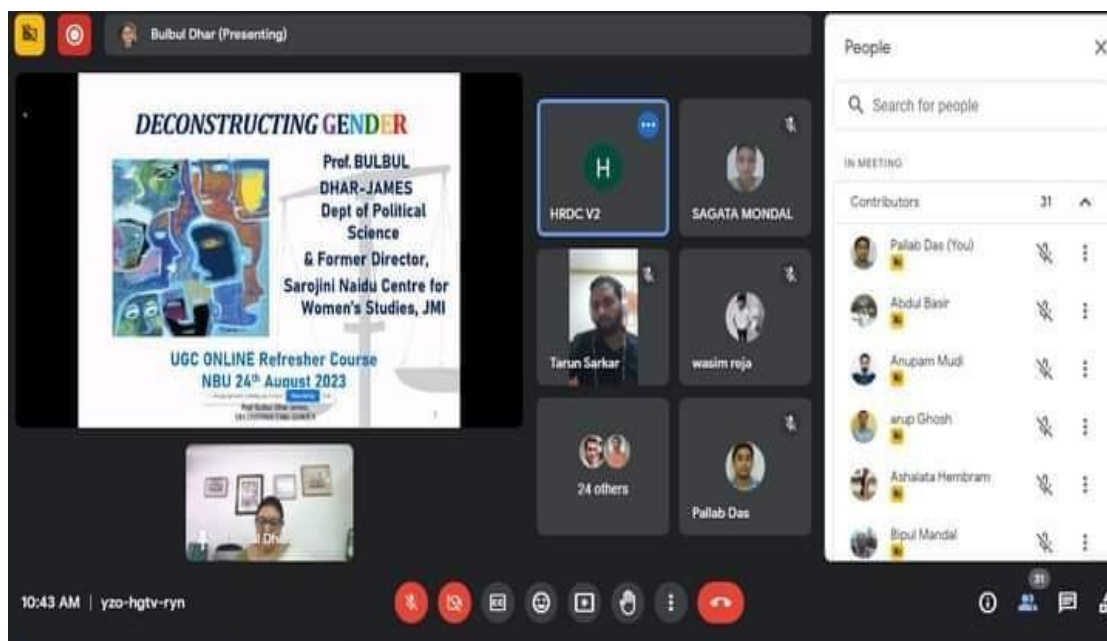


Fig.1. Professor Bulbul Dhar James, Department of Political Science, Jamia Millia Islamia University delivering lecture on “**DECONSTRUCTING GENDER**”.

Professor Bulbul Dhar James explained that the term 'gender' is a social construct designed to distinguish between men and women. This differentiation assigns specific roles to both men and women. Stereotypically, men are seen as muscular and are expected to take on the role of providers and protectors, while women are often associated only with caregiving and household tasks. As a result of these stereotypes, women and men are disadvantaged in various aspects of society. Women are denied certain fundamental rights that should be guaranteed for their upliftment. Many societies exhibit a patriarchal nature, wherein women have limited room to express their opinions and are often excluded from cultural and social spheres. Men tend to control essential areas such as health and education. Women are taught from a young age that they are incapable of physically demanding tasks and should refrain from participating in certain sectors of society. Conversely, men are socialized to avoid

behaviors associated with women, including expressing emotions, displaying affection, and showing vulnerability.

Despite the existence of laws and acts against gender bias, the situation often remains

unchanged. In the concluding segment of her talk, Professor Dhar James emphasized that the time has come to challenge our traditional beliefs and perceptions about gender discrimination. She advocated for gender sensitization, where all individuals are granted equal rights and opportunities. Professor Dhar James' lecture was followed by an interactive session during which participants raised insightful questions. She provided satisfactory answers to these questions. The session concluded at noon, after which participants engaged in the interactive session.

Session: II (Time: 12 PM -01:30 PM)

Resource Person- Dr. Tapan Barui, LIS, NBU

Topic: “Personality Development and Mindfulness in Teaching Learning Environment: a combo approach to reach the teaching goals”.

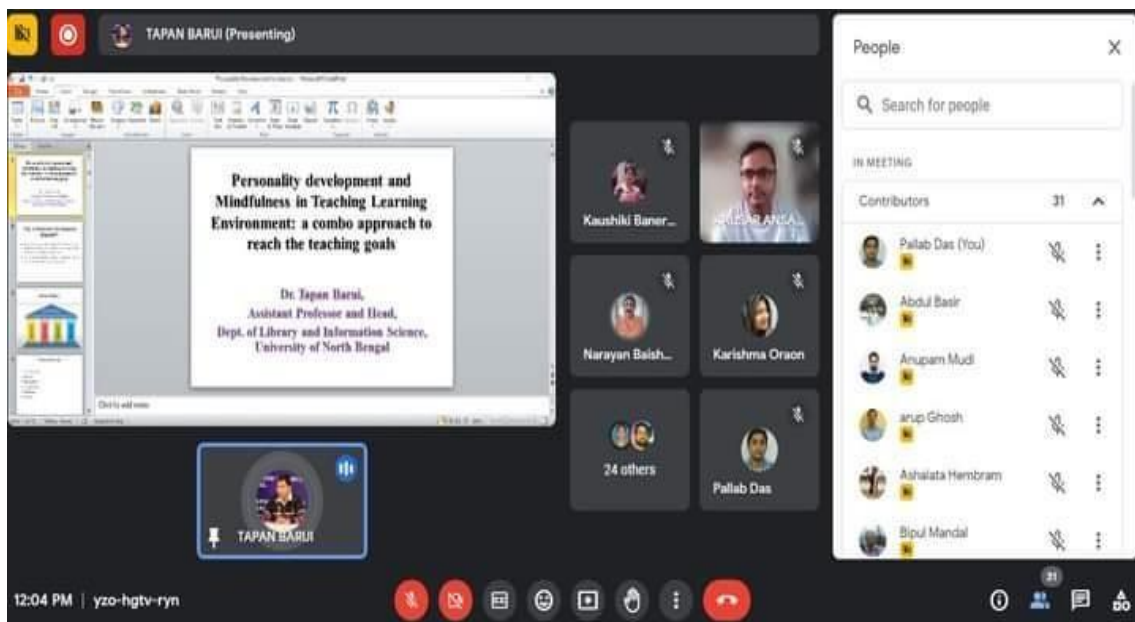


Fig. 2. Dr. Tapan Barui, Dept. of Library and Information Science, University of North Bengal delivering lecture on “Personality Development and Mindfulness in Teaching Learning Environment: a combo approach to reach the teaching goals”.

The second session of the day was addressed by Dr. Tapan Barui, Department of Library and Information Science, University of North Bengal. The topic of his lecture was "Personality Development and Mindfulness in the Teaching-Learning Environment: A Combined Approach to Achieve Teaching Goals." In his discourse, Dr. Barui emphasized the personality development of both teaching faculties and students. Teachers should undergo professional training and should maintain effective communication with their fellow colleagues and students to enhance the institution. Teachers should possess up-to-date knowledge about educational purposes and be adaptable to changes. They should also have a sense of humor to keep students engaged. Collaborative work with other colleagues is essential. Emotional traits, including emotional control, empathy, motivation, and a positive and determined attitude towards their duties, are vital for teachers. Creating a conducive teaching-learning environment in the classroom is crucial. Teachers should understand their responsibilities as faculty members and actively participate in administrative tasks. They should also closely monitor the physical and mental well-being of students. Despite limited resources, teachers should strive to concentrate on mindful teaching to provide maximum benefit to students.

Following the lecture, an interactive session was conducted where participants raised numerous questions to the resource person. Dr. Barui provided satisfactory answers to all the questions. The session ended at 1:30 p.m., and the participants took a break for lunch. Session: III (Time: 02:30 PM – 4.00 PM)

Resource Person: Professor Sanjoy Roy, Dept. of Sociology, NBU

Topic: “A Relationship between Self and Society: Dialogues and Dialectics”.

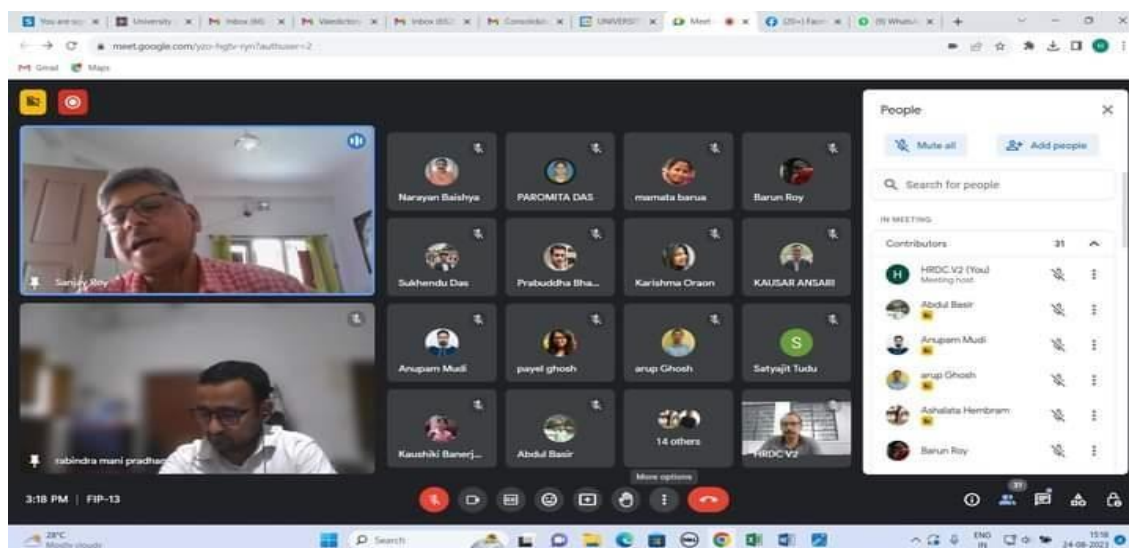


Fig. 3: Professor Sanjoy Roy, Dept. of Sociology, University of North Bengal delivering lecture on “A Relationship between Self and Society: Dialogues and Dialectics”.

Professor Sanjoy Roy, from the Department of Sociology at the University of North Bengal, delivered a lecture in the third session titled "A Relationship between Self and Society: Dialogues and Dialectics." Prof. Roy aimed to establish a connection between the individual self and society, highlighting that they are two sides of the same coin. Society cannot exist without individuals, and likewise, individuals cannot exist outside of society. We are born into a society, grow within it, and engage in work to sustain ourselves. As humans, we possess both physical and psychological aspects, as well as a social identity. Taking a subjective stance, we attempt to objectify the self. Our existence involves the pursuit of creative endeavors. Life is a journey from materiality to aesthetics, representing the creation of something novel, which ensures remembrance. Prof. Roy demonstrated how the method of dialogue, involving interactions among individuals or groups, leads to the development of new concepts and brings about societal change. Additionally, Prof. Roy introduced the concept of dialectics in his lectures, illustrating how this method entails a dialogue between individuals holding contradictory viewpoints, aiming to synthesize the truth. Concluding his lecture, Prof. Roy stated that life embodies the unity of opposites. Life is replete with dilemmas and possibilities, and we must navigate these dilemmas or choose from the available possibilities to shape a fulfilling life. Following the lecture, interactions took place between the resource person and the participants.

Session: IV (Time: 04:00 PM – 5:30 PM)

Topic: Self-Discussion among the participants

In the last session of the day, in the presence of Dr. Sanjib Bhattacharya, Joint Coordinator of UGC-HRDC, NBU, participants engaged in a discussion on various topics. These encompassed skill development, teaching methods, and paper writing. Furthermore, they expressed their interest in organizing diverse programs, including faculty development sessions, seminars, and workshops that focus on pertinent contemporary subjects like ragging, yoga, and value-added initiatives. This collaboration would involve HRDC. Participants also shared their experiences from the FIP-13 program, reflecting on what they have gained and what areas could be enhanced. Unanimously, all participants recognized the urgency of addressing these issues. The session concluded at 05:30 PM with a vote of thanks to the session's chairperson.

Report Compiled By

1. Mr. Bipul Mandal, Roll No. 08. FIP-13,
UGC-HRDC, NBU, Department of Bengali,

City College, Kolkata.

2. Mr. Tarun Sarkar, Roll No. 19. FIP-13, UGC-HRDC, NBU, Department of Philosophy, Egra Sarada-Shashi Bhusan College.

Date: 25/08/23

Valedictory Session

(FIRST-HALF) Time: 12:30 AM -1:30 PM

The twenty-fifth day of the 13th Faculty Induction Program was officially the last day of this month-long orientation program. The day started with introductory address by joint coordinator HRDC NBU, Associate Professor, Dr. Sanjib Bhattacharya, followed by the welcome address by the Director HRDC NBU, Professor Anjan Chakrabarti. Prof. Bhattacharya highlighted the importance and basic objective of such faculty induction programs. In the welcome address, Prof. Chakarabarti expressed his gratitude to all the dignitaries present which included Hon'ble Registrar, NBU, Prof. Nupur Das, Dean of Science, Arts, Commerce and Law, Dr. Subhas Chandra Roy, Joint Coordinators, Dr Mossaraf Hossain and Prof. Sanjib Bhattacharya. Prof. Chakrabarti also conveyed his heartfelt acknowledgement to all the esteemed resource persons who delivered their talks over the last one month.

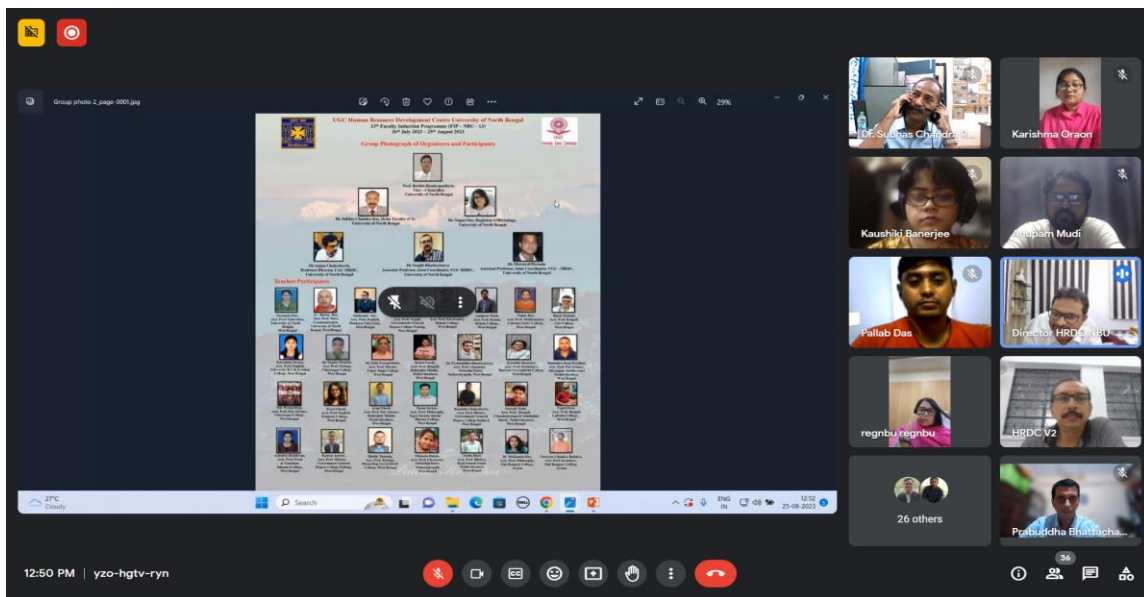
Finally, the valedictory session was conducted whereby the names of the best presenters from science, language group and social sciences were announced. Dr. Prabuddha Bhattacharya and Payel Ghosh were declared as the awardees from science and language group respectively. Dr. Barun Roy, Kaushiki Banerjee and Kaushik Chakraborty were the recipient of the accolades from social science group. The teacher-participants were then requested to share their views and opinions on the month-long program.

During the view sharing session, several participants, including Dr. Prabuddha Bhattacharya, Payel Ghosh, Dr. Barun Roy, and Kaushiki Banerjee, shared their perspectives. They expressed their relevant views about the Faculty Induction Program and talked about their experiences with it. These participants also expressed gratitude for the opportunity to learn from distinguished resource persons in the program. The interactive Q&A sessions and daily post-lecture discussions were highlighted as particularly enriching experiences that deepened their knowledge.

Thereafter, Hon'ble Registrar, Prof. Das addressed the participants and highlighted the success of Indian educational system as our Indian scientists have been successful in safely landing Chandrayan-3 on the south pole of the moon. She highlighted how the exchange of ideas between the eminent resource persons and the audience is going to imbibe a holistic development among the participants. After her deliberation, Dean, Prof. Roy expressed his pride and thrill on India's recent achievement in the field of space science. He also emphasized on how the FIPs are going to help all the participants by giving them a broad overview of various disciplines and

domains that are not usually covered in a unidimensional academic progress. Some of the participants voiced their experiences which they gained while attending this FIP and what positive impact it is going to have on their lives and help them to evolve as a better teacher, researcher and overall, a better human being. The first half concluded with an enriched discussion led by Director, Prof. Chakrabarti, invoking the multidomain approach of such FIPs

and how initiatives were taken to contact the various esteemed resource persons from different disciplines designing the overall schedule to give it a holistic nature.



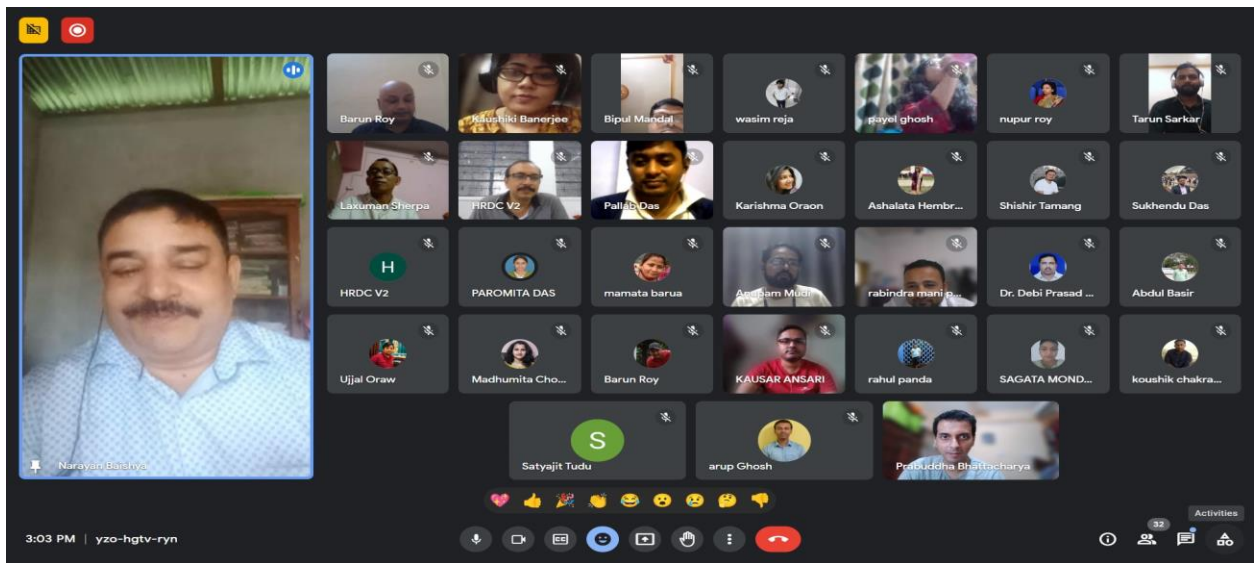
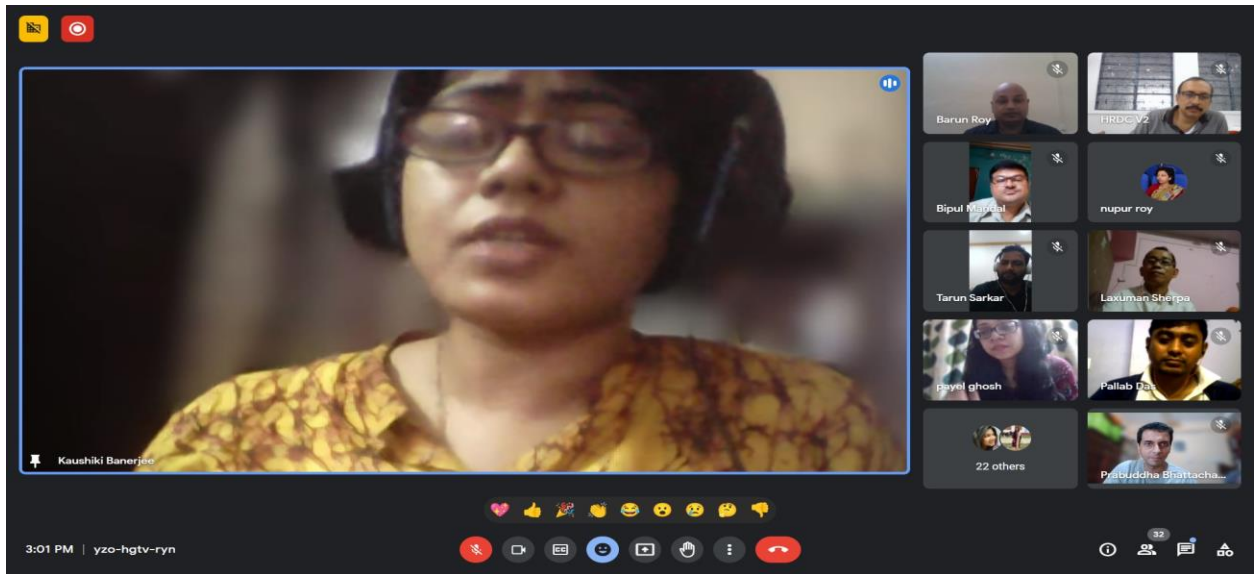


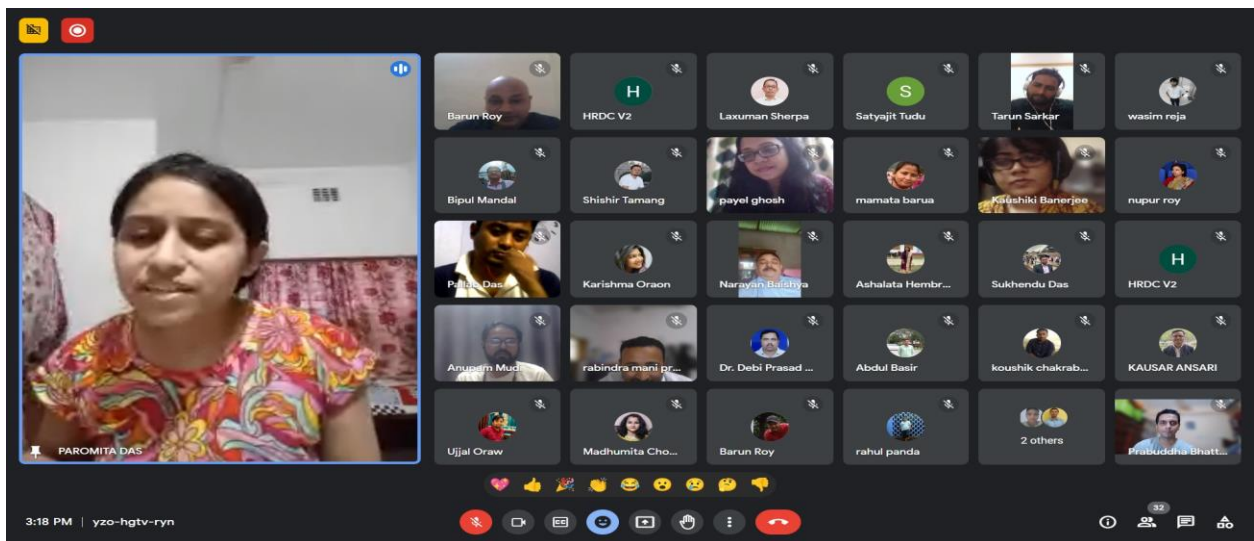
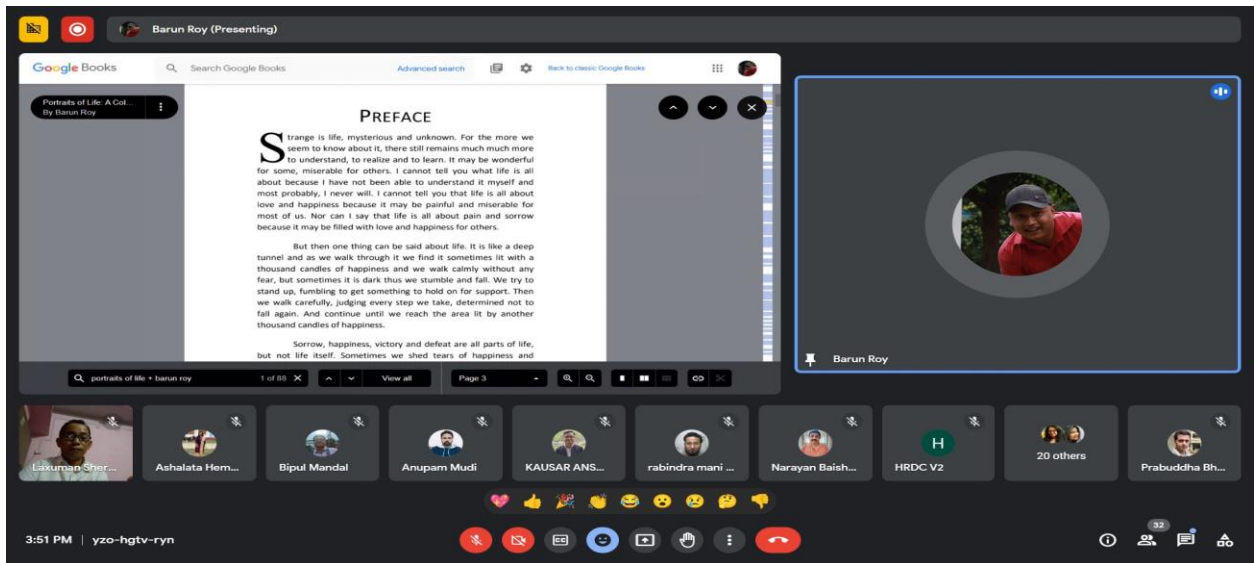
(SECOND HALF)

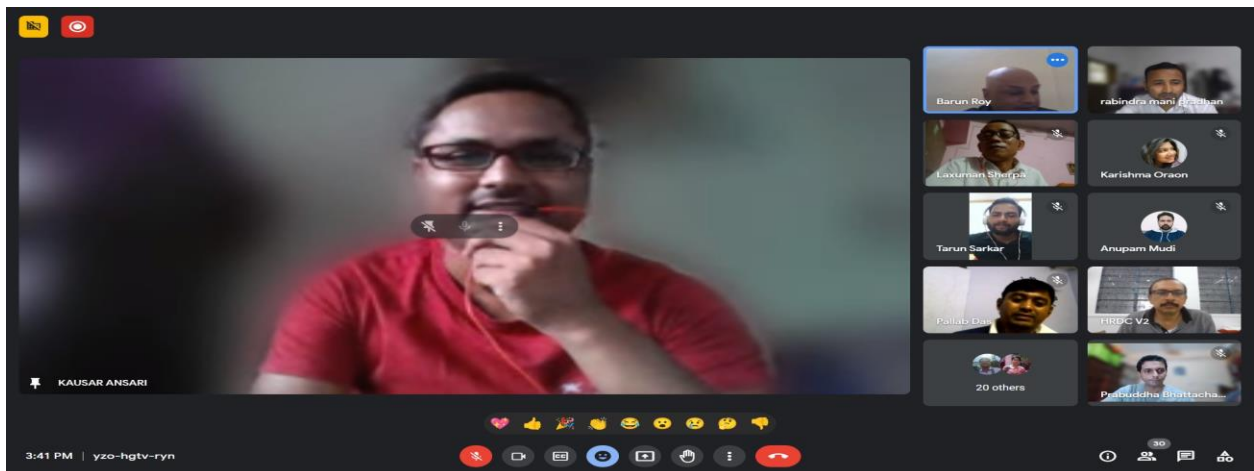
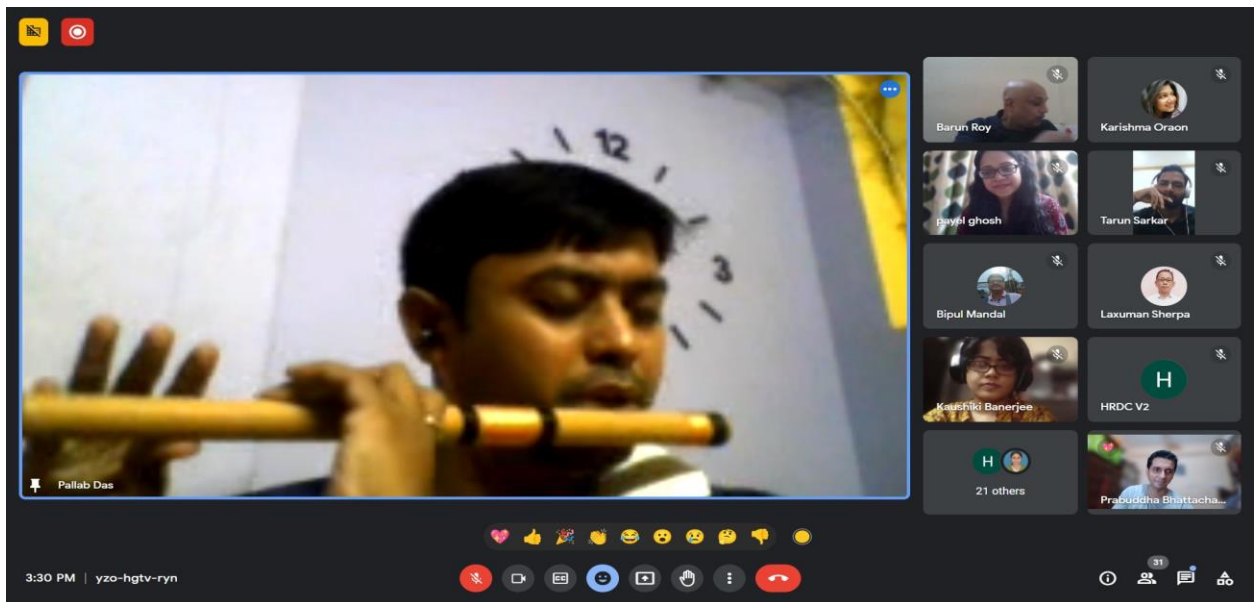
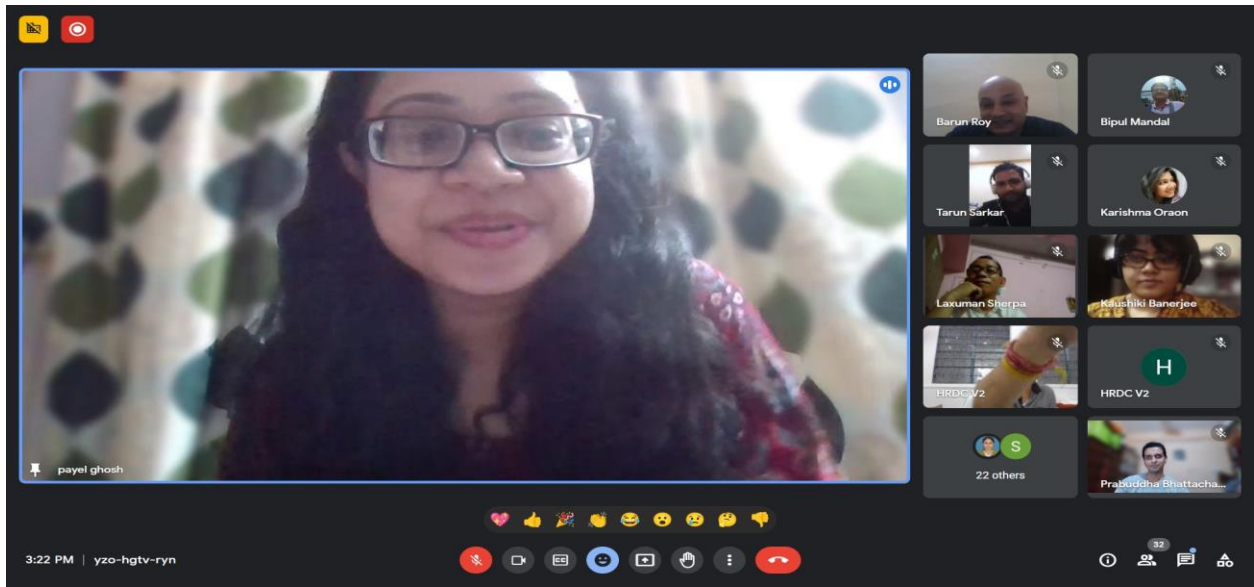
Time: 2:30 PM – 4:00 PM

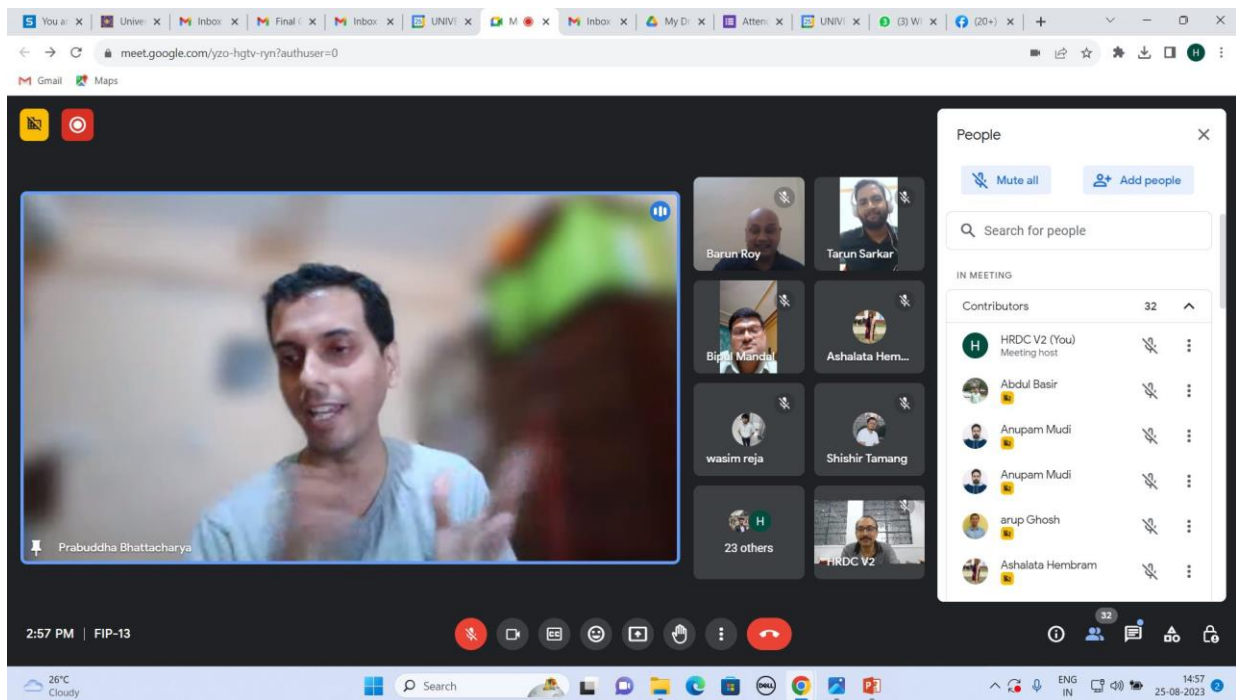
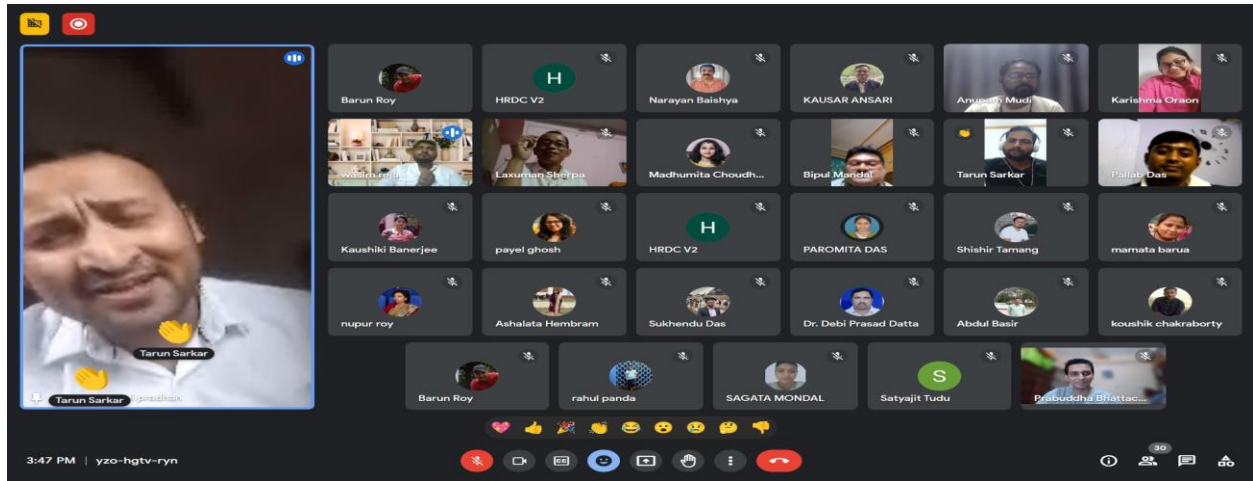
In the second half, participants actively participated in displaying some of their lesser-known artistic skills. Few of the participants sang in language varying from Hindi, Bengali, Nepali to even Assamese. Some participants poured their hearts out while playing instruments like flute and mouthorgan. There were also recitation of poems and eloquent narration of prose. It all ended on a good yet sad note as this vibrant group was officially meeting for the last time. However, the participants promised to be in touch with each other and keep the group active. Each and every participant expressed their heartfelt thanks to NBU HRDC for arranging such a wonderful and enriching FIP. Finally, Joint Coordinator, Dr. Hossain proposed the official vote of thanks which concluded the one-month long program.











Report prepared by the following students:

- 1) Dr. Prabuddha Bhattacharya (Roll No. 13)
- 2) Ms. Paromita Das (Roll No. 1)