

**National Workshop on Professional Development of Science Teachers and Researchers of
Higher Educational Institutions
(18-24 November, 2019)
Program Schedule**

DATE & TIME	EVENT / RESOURCE PERSON / TITLE
17/11/19	
4:00 pm	Garlanding the statue of Kabiguru Rabindranath Tagore and Acharya Brojendra Nath Seal
4:15 pm	Flag Hoisting of ABN Seal College, NCC, NSS, ABNSCPTA, ABNSCAA
4:30 pm	MANGALACHARAN
18/11/19	
8:30 am	Accosting and reception of the Patron, Guests, etc. at the College gate through garlanding, blow of conch shell, flower petal, Uttariya and sandal paste on the forehead
9.00 am	Registration
9.30 am	Inauguration
9:35 am	Welcome address by Organising Secretary
9:40 am	Address by Dr. Deb Kumar Mukherjee, Hon'ble Vice Chancellor, Cooch Behar Panchanan Barma University, Vivekananda Street, Cooch Behar, WB, India
9:45 am	Address by Dr. Arnab Sen, Professor of Botany and Coordinator & Head, Department of Bioinformatics, University of North Bengal, WB, India
9:50 am	Address by Dr. Bimal Kumar Saha, President & Officer-in-Charge, A.B.N. Seal College, Cooch Behar, WB
10.00am-11:30 am	Deliberation by Dr. Tushar Kanti Ghara, Joint DPI, Department of Higher Education, Government of West Bengal & SNO AIHSE WB and Nodal Officer, NAAC WB <i>Title: Relevance of Professional Development on Assessment and Evaluation System under Revised NAAC Framework</i>
11:45 am-12:00 noon	Tea Break
12:00 noon-1:15 pm	Deliberation by Dr. Ramdas Chatterjee, Former Head, Dept. of Tumor Virology, Chittaranjan National Cancer Institute, Kolkata <i>Title: An insight into oral cancer and precancer with special reference to North Bengal</i>
1:15 – 2:15 pm	Lunch Break
2:15 – 3:30 pm	Deliberation by Prof. (Dr.) Prabir Kumar Haldar, Dean (Science) & Professor of Physics, Cooch Behar Panchanan Barma University, Cooch Behar, WB <i>Title: Introduction to Particle Physics</i>
3:30-3:45 pm	Tea Break
3:45-4:30 pm	Interactive Session and Discussion
4:30 -5:00 pm	Summary report by Rapporteurs
19/11/19	
10:30-11:30 am	Deliberation by Dr. Arnab Sen, Professor of Botany and Coordinator & Head, Department of Bioinformatics, University of North Bengal, WB, India <i>Title: Introduction to Bioinformatics with special reference to microbial genomics</i>
11:30-11:45 am	Tea Break
11:45 am-1:15	<i>Hands on Training on: Codon and Amino acid usage using CodonW software: By Dr. Arnab Sen,</i>

DATE & TIME	EVENT / RESOURCE PERSON / TITLE
pm	<i>Reha Labar and Soumita Bhattacharjee</i>
1:15-2:15 pm	Lunch Break
2:15-3:15 pm	<i>Hands on training on: Phylogenetic tree construction using MEGA software: By Dr. Arnab Sen, Pallab Kar and Supriyo Ghosh</i>
3:15-4:15pm	<i>Hands on training on: Homology modelling: By Dr. Arnab Sen, Arnab Chakraborty and Swarup Das</i>
4:15-4:30 pm	<i>Tea Break</i>
4:30-5:00 pm	Summary report by Rapporteurs
20/11/19	
10:30-11:45 am	Deliberation by Dr. Suman Das, Associate Professor, Department of Chemistry, Jadavpur University, WB <i>Title: Understanding Physical Chemistry- Some difficulties</i>
11:45 am – 12:00 noon	Tea Break
12:00 noon-1:15 pm	Deliberation by Dr Kajal Kumar Mondal, Associate Professor & Head, Department of Mathematics, Cooch Behar Panchanan Barma University, Cooch Behar, WB <i>Title: On dispersion of solute in a turbulent channel flow from continuous elevated sources</i>
1:15-2:15 pm	Lunch Break
2:15 pm -3:30 pm	Deliberation by Dr. Jyoti Prakash Haldar, Ex-Principal, Bangabasi Evening College, Kolkata, WB <i>Title: Vaccine Development</i>
3:30 - 4:15 pm	<i>Interactive Session</i>
4:15-4:30 pm	<i>Tea Break</i>
4:30-5:00 pm	Summary report by Rapporteurs
21/11/19	
10:30 am -11:45 am	Deliberation by Prof (Dr.) Dilip K Debnath, Professor of Chemistry, Cooch Behar Panchanan Barma University, Cooch Behar, WB <i>Title: Chemistry and sustainability</i>
12:00 noon - 1:15 pm	Deliberation by Dr. Samir Kumar Samanta, Associate Professor & Head, Department of Geography, ABN Seal College, Cooch Behar, WB <i>Title: Evolution of Cartography and its role in the progress of Human Civilisation</i>
1:15-2:15 pm	Lunch Break
2:15 – 2:45 pm	Deliberation by Dr. Jyotsna Das, Head, Department of Botany, Alipurduar College, Alipurduar, WB <i>Title: Introduction of Foldscope as study and research tool</i>
2:45-4:15 pm	<i>Hands on training on Foldscopy by Dr. Jyotsna Das</i>
4:15-4:30 pm	<i>Tea Break</i>
4:30 pm-5:00 pm	Rapporteurs report and discussion
22/11/19	
10:30 am -11:45 am	Deliberation by Prof. (Dr.) Abhaya P Das, Adjunct Professor, Department of Botany, Rajiv Gandhi University, Doimukh, Itanagar, Arunachal Pradesh, India <i>Title: Conservation of Biodiversity, Climate Amelioration and Future of the Biosphere</i>
11:15am-12:00 noon	<i>Tea Break</i>

DATE & TIME	EVENT / RESOURCE PERSON / TITLE
12:00 noon-1:15 pm	Deliberation by Prof (Dr.) Rajib Bandopadhyay, Professor of Botany, The University of Burdwan, Bardhaman, WB <i>Title: Southern Ocean Antarctica Expedition: All we may learn and explore</i>
1:15-2:15 pm	Lunch Break
2:15 - 3:30 pm	Deliberation by Dr. Kishore Kumar Thapa, Head, Department of Botany, Dinhata College, Cooch Behar <i>Title: Origin and Development of Tea Industry: Historical Insights and Modern Outlook</i>
3:30 pm-3:45 pm	<i>Tea Break</i>
3:45 -4:30 pm	Interactive Session
4:30-5:00 pm	Rapporteurs report and discussion
23/11/19	
10:30 am -11:45 am	Deliberation by Dr. Deb Prakash Pahari, Scientific Officer (Selection Grade) [Cartographer], Department of Geography, The University of Burdwan, Bardhaman, WB <i>Title: i) Basic concept of geo-spatial technology ii) Modern Research and Development techniques using Geotechnology</i>
11:45 am-12:00 noon	<i>Tea Break</i>
12:00 noon-1:15 pm	<i>Hand on training using open source software by Dr. Deb Prakash Pahari</i>
1:15-2:15 pm	Lunch Break
2:15- 4:15 pm	<i>Continuation of Hand on Training Dr. Deb Prakash Pahari</i>
4:15-4:30 pm	<i>Tea Break</i>
4:30-5:00 pm	Rapporteurs report and discussion
24/11/19	
10:30am -11:45 am	Deliberation by Dr. Khitish Ch Majumdar, Ex- Scientist G (Director Grade), Centre for Cellular & Molecular Biology (CSIR), Hyderabad, India <i>Title: An amazing story of the DNA, from double helix to CRISPR</i>
11:45 am -12:00 noon	Tea Break
12:00 noon-1:15 pm	Detailed report by Rapporteurs and discussion
1:15 pm-2:15 pm	Lunch Break
2:15 - 4:30 pm	Valedictory Session