

## List of activities of Assam Physical Society (APS):

| Sl. No. | Name of the program  | Venue                                       | Resource person/Guest  | Year |
|---------|--|---|--|------|
| 1.      | A seminar was organized on “Problems and solutions of Physics teaching and learning in under graduate and post graduate levels in Assam”.  | Dept. of Physics, Gauhati University (G.U). | Prof. B. Choudhury (G.U.), Prof. G.C. Deka (ex principal of Cotton College), Prof. K.D. Krori (Cotton College).                            | 1998 |
| 2.      | A Seminar was organized on ‘Renewable Energy Sources and roles of teachers and students for their uses’. A booklet entitled “Renewable Energy” was also released in the seminar. | B.N. College, Dhubri.                       | Prof. M.N. Bora, Founder president, APS.   | 1998 |
| 3.      | Assam Physical Society celebrated the National Science Day on 28 <sup>th</sup> Feb (1999) where essay and quiz competitions were organized.                                      | Gauhati University.                         | Members of APS   | 1999 |
| 4.      | National Science Day on 28 <sup>th</sup> Feb (2000) was celebrated by the Assam Physical Society.  | Gauhati University.                         | Members of APS   | 2000 |
| 5.      | A seminar on “Golden decade: Emergence of modern science (EMS) 1895-1905” and a Quiz Competition were held.  | Pub Kamrup College                          | Prof. M.N. Bora, Dr. B.K. Sarma and Dr. A. Rahman, G.U.  | 2001 |
| 6.      | A seminar on “X ray, its properties and impact on society” and essay competition on spectrum were organized.   | Pub Kamrup College                          | Prof. M.N. Bora, G.U.  | 2002 |
| 7       | A seminar on the topic “Cosmic Radiation” was held.  | Pragjyotish College                         | Prof. K.M. Pathak (VC, Tezpur University), Prof. D.K. Choudhury (Dept. of Physics, GU) and Prof. K.D. Krori (Ex Principal, Cotton College) | 2002 |
| 8       | A popular talk on the topic “The Wonderful World of Strings.” was organized.   | Pragjyotish College                         | Dr. Pabitra Borgohain, Ex Prof. of Cotton College  | 2002 |
| 9       | A popular talk on “Impact of Modern Physics on Human Thoughts” and Science Exhibition were held  | D.K. College, Mirza.                        | Prof. Amarendra Rajput, Dibrugarh University   | 2003 |

|    |  |                            |  |            |
|----|--|----------------------------|--|------------|
| 10 | Popular talk was held on “Non-conventional Energy”   | Morigaon College           | Prof. M.N. Bora, G. U.   | 2003       |
| 11 | National Science Day was celebrated.   | Different colleges         |  | Every year |
| 12 | Popular talk was delivered on “Einstein for Everyone”  | Bajali College             | Naresh Dadhich, Emeritus Prof. And Former Director of IUCAA  | 2016       |
| 13 | Workshop on “Electrical & Electronic project” was organized for six semester degree students.  | Rangia College             | --   | 2016       |
| 14 | Popular lectures were delivered on “Einstein’s Theory of Relativity” and “Radio Astronomy.”  | Handique Girls’ college    | Prof. K.D. Krori, Ex Principal, Cotton College and Prof. Anil Kr. Goswami, Ex Principal, Cotton College  | 2016       |
| 15 | Popular talk entitled “Spectrum and Raman Effect” and “Use of Electricity and Global warming” were delivered. A quiz competition was also conducted as a part of National Science Day celebration. | Pioneer Academy, Puthimari | Dr. Chitralekha Talukdar, (President,APS), PubKamrup Coll., Dr. Kushal Kalita, working president, G. U. and Dr. Mausumi Bhuyan, (Secretary, APS) Rangia College. | 2017       |
| 16 | Invited and Informative talk on “Experimental facilities in BARC, Mumbai and scopes/options available for the studies in research and development” was held.                                       | Rangia College             | Dr. Bidyut Jyoti Roy, Scientist G, Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai-85 & Professor, Homi Bhabha National Institute (HBNI), Mumbai | 2017       |
| 17 | An essay competition held by APS on the topic “The Work of a Physicist Who influenced you”.  | Among various colleges     | --   | 2017       |
| 18 | Popular talk was delivered on “Human Eye : An interface between Physics and Biology”   | Gopalthan High School      | Dr Chitralekha Talukdar Associate prof., Dept. of physics, Pub Kamrup College  | 2017       |

|    |  |  |   |      |
|----|--|--|---|------|
| 19 | State level Physics Olympiad among the students of class IX- X and XI-XII was held on 24/12/2017   | Pub Kamrup College, Rangia College, Pandu College, Bajali College  | ---   | 2017 |
| 20 | An essay competition was held by APS on the topic “The role of physics in information and Technology evolution”                              | Among various colleges   |   | 2018 |
| 21 | State level Physics Olympiad among the students of class IX- X and XI-XII was held on 28/10/2018 and 4/11/2018 respectively.                 | Pub Kamrup College, Gateway Academy, Rangia College, Pandu College, Bajali College, Tihu college, Nalbari college, B.H.college |   | 2018 |
| 22 | Popular talk was held on ”Scientific development” at prize distribution ceremony of POAPS on (2/2/2019)                                      | Pub Kamrup College   | Prof. Sarbeswar Busarbarua ,Founder director of Centre for Plasma Physics                                       | 2019 |
| 23 | Popular talk was delivered on “Pohor anyatam sakti” and Dhemalir majere vijnan” on 24/08/2019  | Kamrup Vidyapith High School, Baihata Chariali   | Dr Chitralekha Talukdar Associate prof., physics, and Dr. Kalpana Misra, Ass. Prof., Math ., Pub Kamrup College | 2019 |
| 24 | State level “3rd Physics Olympiad” among the students of class IX- X and XI-XII was held on 20/10/2019                                       | At eleven colleges and schools.  |   | 2019 |
| 25 | International Woman’s Day was celebrated by COVID awareness program.   | Agdala Anganbadi centre. Baihata chariali  | Dr. Chitralekha Talukdar .and Bitopan Boro. Assistant prof. (Biophysics) Pub Kamrup College.                    | 2021 |
| 26 | Popular talk entitled “The overall Rise of Human Civilization from Pre-historic age to modern time :A scientific Tale” was held on 8/12/2021 | Pub-Kamrup College   | Dr. Bhaskar Choudhury, CEO & President HPP Inc, USA   | 2021 |

|    |   |                                 |  |      |
|----|---|---------------------------------|--|------|
| 27 | National Science Day was observed on 28/2/2022 by popular talk on “Importance of Scientific temperament in the present content” and delivered a talk about life of C V Raman and Raman effect. Model competition was also held. | BBK College,Barpeta             | Dr.Sarafima Ahmed,Associate Professor,Nabajyoti College,Kalgechiya and Harun Al Rachid Asst. Prof. of B B K College. Dept. of Physics. | 2022 |
| 28 | “Dr.Mahendra Nath Bora”memorial on line essay writing competition was held on the topic “Science the prime tool of the intellectual ,political and economical rise of human civilization”                                       | Among various college students. | Assam physical Society in association with Dept. of Physics, Pub Kamrup College.   | 2022 |
| 29 | State level “4th Physics Olympiad” among the students of class IX- X and XI-XII was held on 8/11/2022   | Different School and Colleges   |  | 2022 |
| 30 | Popular talk on “Accelerator & Detector and their applications ”was held at prize distribution ceremony of POAPS on(4/2/2023)   | Rangia College                  | Dr.Nabendu Deb Asst.Prof.Kamrup College Chamata.   | 2023 |
| 31 | National Science Day 28 Feb.2023 was celebrated by a popular talk “James Webb Telescope :Astrophysics in the next decade”.  | Nalbari College                 | Dr.Biman Jyoti Medhi. associate prof.Nalbari College.  | 2023 |
| 32 | National Science Day was celebrated by the speech on the science day theme 2023 “Global Science for Global Well being” and a topic on “Wild conservation and restore of Eco System”   | Rangia College                  | Dr. Monoj kr.Singha Associate Prof. Rangia College and Dr.Prem Kr Singh Asst. Prof. Dept. of Zoology Rangia College.                   | 2023 |
| 33 | A seminar was organized on the topic “Application of Physics in Medicine :A Majestic World of Imaging and Therapy” on 27-4-2023   | Pub Kamrup College              | Rangaraj Bhattacharjee physicist , Dept. of Radiation Oncology, State Cancer Institute, G.M.C.   | 2023 |
| 34 | “Dr.Mahendra Nath Bora” memorial on line essay writing competition was held on the topic “ Physics in Forensic Science”   | Among various college students. |  | 2023 |
| 35 | Popular talk entitled “Laser Beam” was held at Goreswar College on 13/10/2023.  | Goreswar College                | Dr. Chitralekha Talukdar Retired associate prof. Dept. of Physics ,Pub Kamrup Cpllege (President of APS)                               | 2023 |

|    |   |                                       |   |      |
|----|---|---------------------------------------|---|------|
| 36 | State level “5th Physics Olympiad” among the students of class IX- X and XI-XII was held on 5/11/2023   | Among the students of 22 No. Colleges |   | 2023 |
| 37 | National Science Day 28 <sup>th</sup> Feb 2024 was celebrated on the topic “Scope and opportunity of Rediologial physics”                     | Rangia College                        | Miss Leena Dutta , medical physicist at the state cancer institute ,GMCH.                                 | 2024 |
| 38 | A student interaction program was held in the Prize Distribution ceremony of 5 <sup>th</sup> Physics Olympiad on 23 <sup>rd</sup> March 2024. | Pandu College                         | Dr.Bipul Jyoti Saikia ,Scientist CPP-IPR,Sonapur  | 2024 |
| 39 | On 5 <sup>th</sup> June 2024 World Environment Day was celebrated on the theme “Land Restoration ,Desertification and Drought Resilience “    | B.H. College ,Howly                   | Dr.ChitralekhaTalukdar, (President of APS) Retired associate prof. Dept. of Physics ,Pub Kamrup College . | 2024 |