

A report on

Two days workshop on “Basic of Plasma Physics”

Organised by

Department of Physics,

**Assam Don Bosco University, Tepesia, Sonapur-
782402, Kamrup(M), Assam**

(With financial support of D.B.T star college scheme)

Name of the program: Two days workshop on “Basic of Plasma Physics”

Target group: Major student of Physics.

Date: 12/02/2020 & 13/02/2020

Venue: Assam Don Bosco University, Tepesia, Sonapur, Assam

Guide Teacher: 1. Mr. Nilam Jyoti Dutta, Assistant Professor

2. Ms. Dharitri Sarkar, Assistant Professor

The two days workshop on “Basic of Plasma Physics” was held at Assam Don Bosco University (ADB), Tepesia, Sonapur, Assam on 12th and 13th February 2020. Two participants from each of faculty and student have attended the same. On 12th February 2020, the workshop was formally inaugurated by the welcome address of Vice Chancellor of the host University. On the first half of the workshop on the first day two lectures on ‘Basic of Plasma’ and ‘Plasma in Laboratory’ were delivered by Dr. N. Aomoa, Assistant Professor , ADBU, Sonapur and Dr. Sumita Sharma, Scientist, IASST Boragaon, respectively. The post lunch section of the day was devoted to do some basic Plasma experiments (such as Paschen law, Langmuir probe) in the Plasma Laboratory of ABDU.



The second day workshop was started with a fine lecture on theoretical aspects of Plasma physics addressed by Dr. Pratiksha, Assistant Professor, ADBU. The lecture is followed by a laboratory visit to Centre of Plasma Physics- Institute for Plasma Research, (CPP-IPR), An autonomous Institute of DAE, Govt. of India, Sonapur, Assam. During the visit different activists of laboratory of the institute is demonstrated and explained by scientists and research scholars. Some of the important laboratories that visited in the institute are Plasma Gun, Helicon Plasma, Pulsed Plasma, IECF, Thermal Plasma, PSI, DPD, Dusty Plasma etc.



Before, the valedictory function an important lecture was delivered by Dr. Partha Saikia, scientist from CPP-IPR on the topic practical use of Plasma Physics.

Countersigned by

H. O. D. Physics,

B. N. College, Dhubri

Mr. N. J. Dutta

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