

Report on the Certificate Course held at Department of Physics B Borooah College

A certificate course of 40 hours duration was organized by the Department of Physics in association with Department of Instrumentation & USIC, Gauhati University held from 20th April to 27th April 2023 at the Department premises. The target group was the B.Sc Physics honours students. The topic of the course was “Industrial Automation”. This Certificate Course on Industrial Automation offers an excellent opportunity to upgrade your skills and keep up with the rapidly changing automation industry.

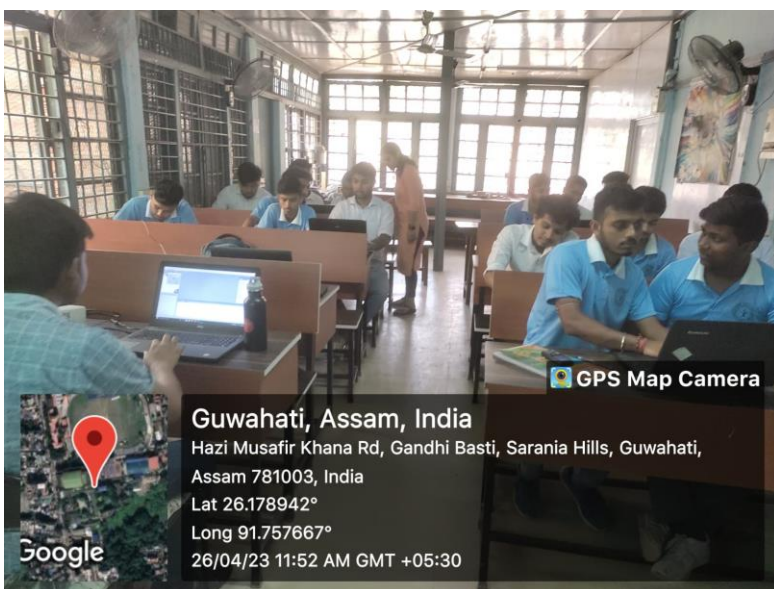
All together 14 students from 4th Semester Physics Honours participated in the course. It is observed that the students were very much delighted to attend the course and did the assignment given to them with utmost sincerity. Students were engaged in some practical demonstration on how electronics are being used in industry. For practical demonstration a Skill Mobile Vehicle were arranged by the Department of Instrumentation & USIC.

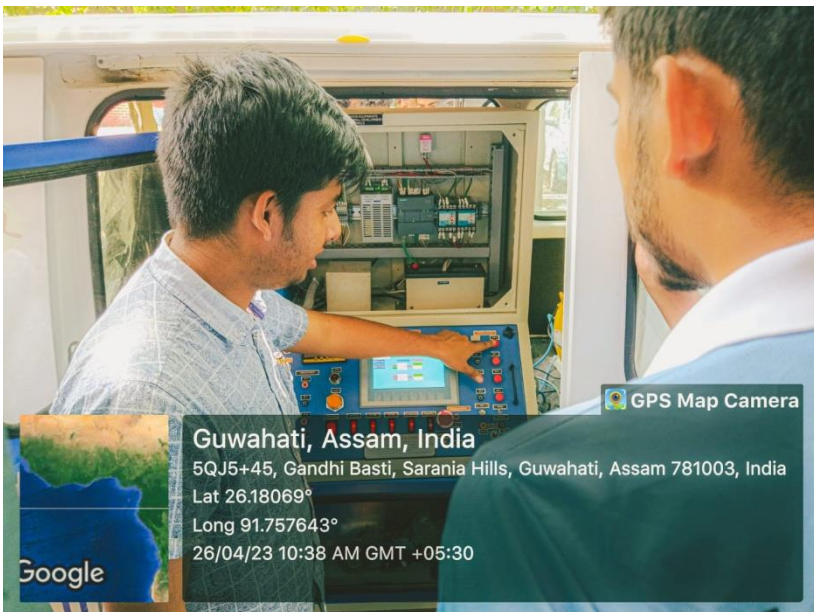
Three resource persons constantly interact with the students and gave their best to make the topic understandable to the students. Dr. Debashis Saikia, Assistant Professor, Department of Instrumentation & USIC, Chayanika Sharma, DST Inspired Senior Research Fellow and Ankur Kalita, Research Fellow from the same Department demonstrated the topic to the students.

A Mobile vehicle from the Skill Development Unit of Gauhati University was used to demonstrate how the automation in industry works. The students were thrill with the mobile vehicle demonstrations.

Overall, the Certificate Course was great success from the point of view that the students were exposed to a totally new topic outside their University syllabus. Students become familiar with **Programmable Logic Controller (PLC)** and use it to do some practical uses. The Resource persons were given certificate of Appreciation by the Principal, B Borooah College. Certificate of Completion is also provided to each of the participants.

Acknowledgement: We the Department of Physics would like to thank the authority of B Borooah College for granting fund to conduct the Certificate Course. Physics Department would also like to thank Prof. Utpal Sarma, Head, and Department of Instrumentation & USIC for his help and providing resources persons to organize the Certificate Course. The Department would also like to thank Dr. Nairit Barkataki, Assistant Professor, Department of Instrumentation & USIC and Dr. Manash Pratim Goswami, Scientific Officer, Dir. of Forensic Science, Govt. of Assam for their valuable time in preparing the syllabus. Special thanks go to the resource persons for their untiring effort with the students.







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