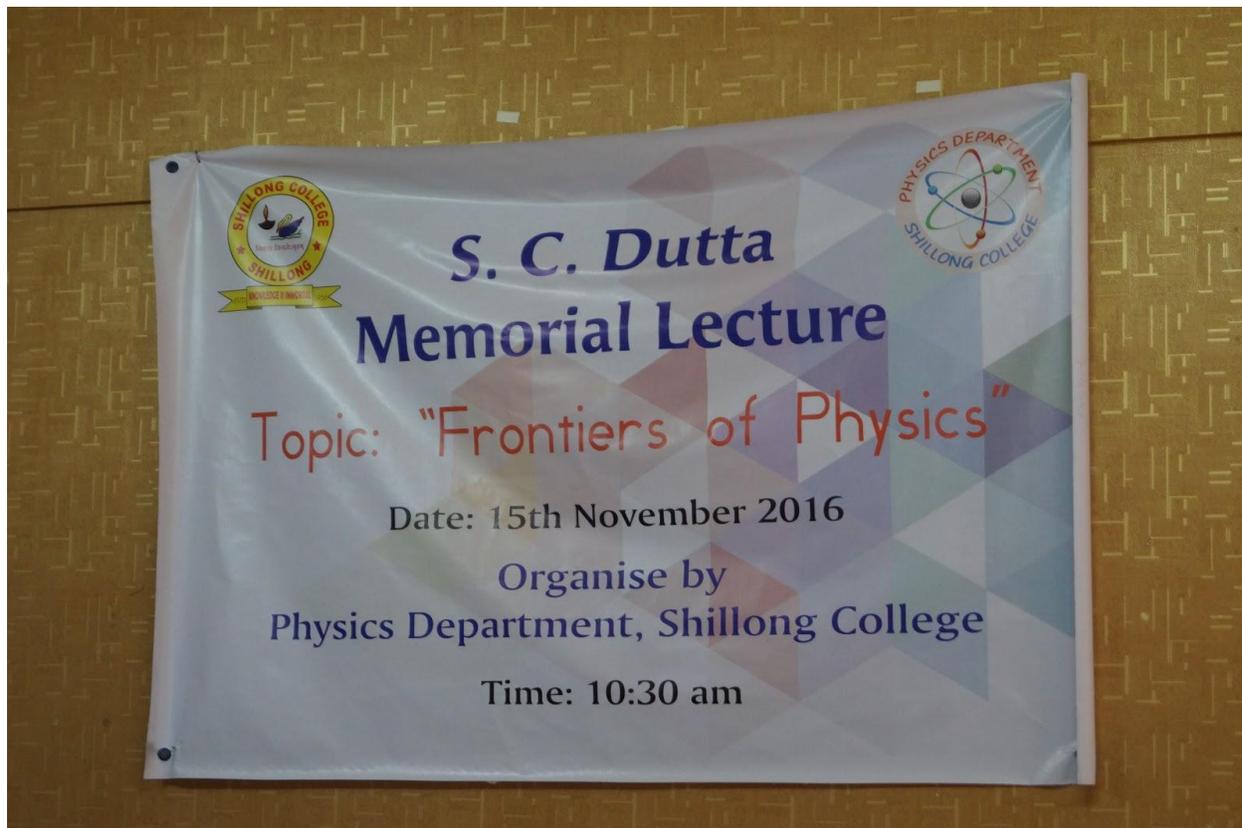


DEPARTMENTAL ACTIVITIES:-

To commemorate the founder Principal of the college (L) Prof. Sudhindra Ch. Datta, the Physics Department organized the Fourth S. C. Datta memorial lecture on the 15th of November 2016 on the theme “Frontiers of Physics.” The lecture was delivered by two prominent persons in the field of Physics: i) Prof. M. C. Mahato, Professor North Eastern Hill University, Shillong who presented a simple but nonetheless very interesting lecture on Ohm’s law and other related problems, and ii) Dr. Monojyoti Dey, Scientist SE at the Centre of Plasma Physics-Institute for Plasma Research, Assam who gave an insight into the possibility of producing nuclear fusion and the important role played by India in one of the largest nuclear fusion reactor of the world at ITER (International Thermonuclear Experimental Reactor, which is also the Latin word for “the way”)





In order to enhance the essential academic skills and self-management skills of students, the Department of Physics conducted annual Students' seminar starting from 2005 onwards and in 2014 it was felt that the students should have a clear understanding of the purpose of Laboratory works, hence it was decided that in this year the students should prepare their Seminar topics on the topics based on the Laboratory work.





In 2013, the science departments celebrated the “Golden Jubilee celebration of teaching science in the college and as a part of this programme, an Inter-college students’ seminar for the Physics honours students was organized. The detailed report of the programme is maintained by the department.





The physics department often conducted inter college competitions such as seminars, quizzes etc. from time to time.





The students, under the guidance of the faculty members, participated in various programmes. In 2012, three students of the department participated in the 24th All India Essay Contest on Nuclear Science and Technology organized by Uranium Corporation of India (UCIL), Mumbai in which two essays were shortlisted for oral representation. In 2013, the students participated in Two-Day National Seminar on the Commemoration of Centenary Year of Bohr's atomic Theory, organized by Lady Keane College Shillong on 23rd-24th August 2013. Students also participated in Inter-College students' seminar organized by St. Edmunds College on 13th September 2014.

The Department also took the students for a study tour on 24-11-2014 to the North Eastern Space Applications Centre (NESAC), Umiam to create and arouse the students' interest in the field of research by providing a space or platform for them to interact with the scientists working and researching at the centre. The students learnt a good deal on Remote Sensing and Geographic information systems (GIS).

A college level project has been taken up by the department and the work has been completed, report submitted and published in a peer reviewed journal.

A number of college departmental magazines were also produced by the department from time to time in which opportunities were given to students to write up articles of their interest in the subject. In 2013, a departmental Magazine, named as SPECTRUM 2013 was published by the department of physics. Articles to the magazine include those written by the faculty members and students alike.



The Students of the department never fail to organise programmes like the freshers social, parting social and also the teachers day celebration.







Laboratory manuals were prepared by the department for conduct of laboratory works for all groups of students. In Addition to this, a book entitled MBOSE Physics Solved was written by a faculty member of the department.

Students counselling is regularly conducted by the department especially to prepare the students for their life-long learning procedures which help the students to choose their future careers in Physics and its Applications, besides helping the students to prepare for their exams.

In 2014, with the opening of IGNOU Study centre in the college, the faculty members has extended support to this good cause in which the faculty members has volunteered as Counsellors for the BSc Programme of this Largest Open University.

In 2010, the Department of Physics and the Department of Chemistry organized a One day workshop on Rain Water Harvesting.





In 2005, the Department of Physics celebrated the “International Year of Physics” by organizing a one day Seminar on ‘Radiation’ and ‘Harnessing Radioactivity’; this was done as part of the international Physics community celebrating the world’s greatest scientist of the twentieth century, Sir Albert Einstein and marking the hundredth year of publication of his famous papers on the Nature of Light, Special Theory of Relativity and Brownian Motion, and also to celebrate his glorious contributions in the fields of Physics and other scientific fields. The resource persons for the day were: i) Mr. S. K. Malhotra, Head Public Awareness Division, Department of Atomic Energy, Mumbai, ii) Smt. S. Patwardhan, Scientific Officer-E, Physics Lab of Atomic and Mineral Division, Shillong Chapter and iii) Prof. (Mrs.) B. M. Jyrwa, Department of Physics, North Eastern Hill University, Shillong.



Prof (Mrs.) B. Jyrwa
Deptt. of Physics, NEHU
Guest of Honour



Mr. R. Gupta
Chairman cum Managing Director
UCIL, Jharkhand Govt. of India



Mrs. S. Patwardhan
Resource Person from A. M. D.
Shillong