

Trajectory

Newsletter of Physics
Department JIST

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The Department of Physics, JIST, with its two other twin brothers, namely Dept of Chemistry and Dept of Mathematics, took birth in year 1971, as a result of the initiative of Govt of Assam to establish an higher educational institute in Jorhat, Assam with a vision of making it a 'Centre of Excellence' in the line of IISc, Bangalore. Starting with the name 'Science College' and offering only three undergraduate courses in physics, chemistry and mathematics, the institute has grown into an institute of science and technology, presently known as 'JIST'. In its long journey of 50 years, the college has produced quite a number of university toppers, best graduates and large number of alumni shining in their respective fields, including Shanti Swarup Bhatnagar awardee Dr. Prashant Goswami which speaks of its glorious past.

From the time of inception, the Department of physics has its share of contribution to the growth of the institute. We are proud to be a part of the legacy of this institute and hope to take it forward with united efforts from all the students, teachers, staff and alumni.

Message from HoD

It's a matter of immense pleasure and satisfaction that the first ever newsletter of department of Physics, Jorhat Institute of Science and Technology is going to be published on the 1st of January, 2022. This newsletter showcases the departmental activities taking place in the year 2021.

There was hardly any scope for off line activities, due to all restrictions in place for the pandemic situation during 2021. Activities could be resumed only after new session had started in the month of September, 2021. There is, however quite a number of achievements, specially of students, during this trying time. Department also is limping back to normal by organizing a number of both online and offline events with enthusiastic support of students, faculty members and staff of the department.

I thank editors, student members and other faculty, student, staff member involved, directly or indirectly, with this edition of newsletter. I also offer my best wishes to all such future endeavours of the department.

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Activities and Achievements of the Students

❖ Nistha Kashyap, a student of B.Sc. 3rdsem, had her article published in "Amar Asom" newspaper. She further attended the webinar on "astronomy and rocket science".



❖ Abhishek Phukon Borah, a student of B.Sc. 3rdsem, attended and secured 1st prize and 4th prize in physics poster and seminar Presentation respectively, organized by Sivasagar and Digboi College. He also won the best delegate award in 84th International Model United Nations among 122 participants all around the world.



Activities and Achievements of the Department

- A farewell meeting was held on 31/03/2021 to bid adieu Dr. Bikash Kumar Borah, former HOD of department of Physics.
- A departmental seminar committee, a physics forum, and a committee for publication of newsletter, were constituted in the meeting held on 27/09/21. The meeting was chaired by HOD, Physics Dr. M. Rajkhowa in presence of all the faculty members of Physics Department, JIST.
- An online Orientation program for B.Sc. first semester was held on 01/10/2021 from 9 am onwards, in which the freshers and the teachers of the department shared their views and expectations
- An Orientation program for M.Sc. first semester was held in online mode on 01/11/2021 in which the freshers and the teachers of the department shared their views and expectations
- A Lecture on 'A Brief introduction to Experimental High Energy Physics' was delivered by Prachurjya Pran Hazarika, an alumnus of the department, currently a research scholar, IISER Pune. The lecture was held in online mode. The students of the department actively participated in the seminar.



- All the Teachers prepared and submitted lesson plan for B. Sc. & M. Sc. Classes as per the instruction of the Principal to the HOD, dept. of Physics, in accordance with the University syllabus. Faculty members taking B. Tech courses have prepared and submitted CO and PO of the course along with lesson plan.



- Laboratory classes of B.Sc.4th semesters (Core) and M.Sc. 2nd semester students were completed before Puja vacation. Students have prepared a report of laboratory work done and submit to the respective teachers. IA marks of laboratory courses have been awarded on the basis of the report submitted by the student (LNB) and Viva.



- The idea of organizing departmental seminars has been introduced for the first time. All students have registered for their presentations (though a google form) and submitted the respective presentations for evaluation by teachers through email. After this step actual seminars were presented in offline mode. As of today (31st December, 2021), all students of BSc 5th semester and MSc 3rd semester have completed their presentations successfully.



- An Open quiz programme was conducted among students of the college in the theme entitled "Science

and Technology “in room no 1 from 1 pm onwards, on 30 Dec 2021. The programme was hosted by HoD, Dr Monisa Rajkhowa in presence of respected principal sir. The programme was conducted by Quiz Master Mr. Asif Kamal Ahmed, alumnus of the department. Approximately 150 students participated in the programme and winners were given toffies in the open quiz.



Activities and Achievements of Faculty and Staff

- Dr Monisa Rajkhowa, Associated professor and HoD, participated in the faculty enrichment webinar for physics teachers in higher education organized by National resource centre for education, National Institute of Educational Planning and Administration, New Delhi, on March 12, 2021.
- Dr Monisa Rajkhowa, Associated professor and HoD, participated in online refresher course on Astronomy and Astrophysics, 2021 organized by Teaching learning centre of Inter-university centre for Astronomy and Astrophysics from 10th may-11th June 2021.
- Two books written by Dr Gouri Goutam Borthakur, Assistant professor, namely “Digital systems and application” and “mathematical Physics-III” has been published by Mahaveer Publications, Dibrugarh, Assam

