

Department of Physics Newsletter



Vol I — Issue V

TRAJECTORY

Nov — Dec
2022



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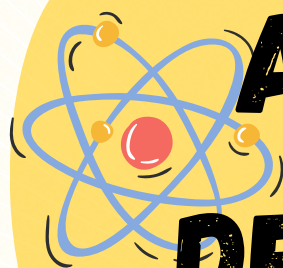
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ONE EARTH • ONE FAMILY • ONE FUTURE

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ABOUT THE DEPARTMENT

The department of physics of JIST started its functioning since the inception of the college known as 'Science college, Jorhat' in 1971, which was the only general Degree Science college under Govt. of Assam. In the academic session 2016-17, the institute has started offering M.Sc. in physics (affiliated to Dibrugarh University) and now all the courses of B.Sc. and M.Sc. are under CBCS system and affiliated to ASTU (Assam Science & Technology University). In 2019, JIST has started PhD courses in Physics with approval of ASTU. In these 50 years, the physics department has produced many university toppers, best graduates & large no. 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 and hope to take it forward with united efforts from all the students, teachers, staffs and alumni.



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MISSION AND



VISION

Vision of the physics department is to build a foundation for excellence and contribute to the development of institution as a premier institution by igniting and promoting enthusiasm, interest, and passion in the study of physics.

Its mission is to provide high quality physics education and equipping students for higher education.



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FROM

THE

HOD'S DESK

(Dr. Monisa Rajkhowa)



The 5th issue of volume 1 of the quarterly newsletter of the department of physics, Jorhat Institute of Science and Technology, is ready for release. The newsletter completes one year with this issue. The newsletter of the department has been the reflection of activities of all involved with the department, students, faculties and alumnus as well. The department of Physics of this institute (Formerly Science College) has glorious contribution towards different corners of the society, be it academic, administrative or other. We are happy to share the success story of current students and alumni of this department in TRAJECTORY, the department newsletter. Achievements of the students and alumnus of this department make us proud. It gives us immense pleasure to share the news of placement of our alumnus in different jobs recently. This issue of the newsletter tries to cover activities of students, alumnus and faculty of the department during this period. I appreciate the editorial board for their effort in bringing out this issue of this newsletter.

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DEPARTMENTAL



ACTIVITIES

A problem solving workshop was organized for both UG and PG students from 26th Dec 2022 to 6th Jan 2023.



Workshop
on
**PROBLEM SOLVING
IN PHYSICS**

(for undergraduates and
postgraduates)

26th December 2022
to
6th January 2023

$$E=MC^2$$
THE FASTER YOU MOVE
THE HEAVIER YOU GET

$$F_G = \frac{GM_1M_2}{R^2}$$
THE GREATER THE DISTANCE
THE WEAKER THE FORCE OF ATTRACTION

$$T' = T\sqrt{1 - \frac{V^2}{C^2}}$$
THE FASTER YOU MOVE THROUGH SPACE
THE SLOWER YOU MOVE THROUGH TIME

$$S = \frac{C^3KA}{4hG}$$
INFORMATION DESTROYS
BLACK HOLES AND LIVES FOREVER

$$S = K \log W$$
THE TENDENCY TO MOVE FROM ORDER TO
DISORDER INCREASES AS THE PROCESS GOES ON

$$F = \frac{KQ_1Q_2}{R^2}$$
OPPOSITE CHARGES ATTRACT
SIMILAR CHARGES REPEL



Organised by:
Department of Physics
JIST, Jorhat
In association with
JIST Physics Forum



*A flyer prepared for the
problem solving workshop*

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ACTIVITIES



Students of MSc. 3rd Semester presented their seminar on 22nd Nov 2022.



The faculties and students of B.Sc. 1st and 2nd year of the physics department organized a department picnic on 18th Dec 2022.

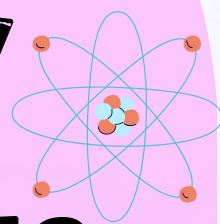


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FACULTY ACTIVITIES



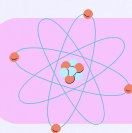
**DR. GOURI GOUTAM
BORTHAKUR**

- *Appointed as Assistant officer in Charge, BSc. 5th semester end term examination.*
- *Introduced a simulation base learning in teaching of the paper entitled 'Embedded System' so as to improve learning experience of BSc. 5th semester core students.*



MS. ANKITA BHAGAWATI

- *Presented a paper titled "Generating fast protons from a plasma sphere having density gradients with short-pulsed laser irradiation" in the 37th National Symposium on Plasma Science and Technology (PLASMA -2022) held at IIT Jodhpur from 12-14 December 2022.*



FACULTY ACTIVITIES



MRS. RANJITA GOSWAMI

- *Convenor of Freshmen Social .*
- *Visited hostels for selection of best kept hostel .*

• *Resource person in Problem Solving Workshop—*

Dr. Monisa Rajkhowa

Mrs. Ranjita Goswami

Dr. Gouri Goutam Borthakur

Dr. Pranjal Saikia

Dr. Antara Sharma

Ms. Ankita Bhagawati

Mr. Rajesh Dutta

Mr. Palash Jyoti Konwar

Mr. Utpal Gogoi



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STUDENT ACTIVITIES

MISS. DEEPAKSHI CHUTIA

Received 1st prize in the essay competition organized on the occasion of Freshman Social, 2022.



ALUMNI SECTION



AMLANDEEP BORAHOM;
(BSc graduate of 2021 batch), got appointed as Assam Police Sub Inspector (Unarmed Branch).

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PHOTO GALLERY

Freshman Social



Freshman Social on November 2022.



Abhishek P. Borah and Debashree Gogoi were anchors of freshman social.



Felicitations of Dr. Bhola Gogoi, Ex Principal (Department of Physics), Former Science College.



Deepakshi Chutia receiving 1st prize in the essay competition organized on the occasion of Freshman Social, 2022.

From Department



Faculty Members



*Ankita Bhagawati
at IIT Jodhpur .*



*Problem Solving Workshop
in Physics organized by the
Department of Physics.*



*Department Picnic to
Arlong Ignar, Kaziranga.*



*Seminar presentation by
MSc. 3rd semester students.*



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Editorial Board



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(HOD, Associate professor)



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(Associate professor)



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Student Editor

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✦—————✦
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