

OFFICE OF THE PRINCIPAL , SHAILABALA WOMEN'S (AUTO.) COLLEGE , CUTTACK

LETTER NO. 1118 /DT. 27.03.23

To

Dr. Bibek Sundaray
Asst. Prof of Physics
Ravenshaw University,
Cuttack.

Sub :- Invitation letter for Annual Seminar of Department of Physics.

Dear Sir,

I would like to cordially invite you to the Annual Seminar of Department of Physics, Shailabala Women's (Auto.) College as Chief Speaker on 4th April, 2023.

It would be a great pleasure on our part if you accept the invitation and share your valuable expertise with our students and teachers.

Yours sincerely,


Principal

Shailabala Women's (Auto.) College, Cuttack.

Annual Seminar
Dept. of physics, SBWAC
Dt. 04.04.2023 (Session 2022-23)



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17th ANNUAL SEMINAR REPORT - 2022-23

Good morning one and all present here.

I am Deepthimila Nayak, a student of 1st 3rd year and Seminar Secretary hereby welcome you all to today's Annual Seminar Day of the Department of Physics for the session 2022-23.

On behalf of staff & students of Department of Physics, Shailabala Women's Autonomous College, I take immense pleasure in welcoming everyone to the Annual Seminar Day of our department.

I am extremely privileged and honored to welcome our respected Principal Prof. (Dr.) Gayatri Bisual ma'am, today's chief speaker Dr. Bibekananda Sundaray, Asst. Professor, Department of Physics, Ravenshaw University, Cuttack, Head of our Department Dr. Biswadas Mohanty sir, Seminar Advisor Sri Himanshu Sekhar Sethy sir, all the dignitaries & students present over here.

I would like to thank our Principal ma'am for her kind presence among all of us. On the behalf of all I would also like to thank our honorable Chief Speaker for giving us his kind consent and hence gracing today's function by deliver a talk on the topic "Bose-Einstein condensate".

"Thank You" Sir.

This 110 years old institute Shailabala Women's Autonomous College, Cuttack is dedicated to the Women's Education in Odisha as a will of late Utkal Gourava Madhusudan Das and it was named in honor of Shailabala Das who was known for her notable deeds in contribution towards women's upliftment in education & social activities in Odisha. Today on the auspicious day I am here to share all the yearlong activities of the department of Physics for the session 2022-23.

The seminar activities of Department of Physics started with International Webinar in co-ordination with DWAC, Shailabala Women's Autonomous College. On 10th April 2022 the two days Alumni Webinar Series was formally

inaugurated by our HOD Gauradas Mohanty Sr. Miss Anubha Borkar, a former student and an alumini of the college, pursuing PhD in Institute of Nuclear Physics, University of Munster, Germany delivered her talk on 'probing the Big-bang with the little bangs at the large hadron collider - the world's most powerful accelerator at CERN'.

Then on 20th July, a talk entitled as 'Geothermal Power Plant' was delivered by Miss Sneha Sahoo & 'Dark matter and Dark Energy' by Miss Ananya Anubha of 13th & 2nd yr. respectively. On 17th September, Miss Pooja Priyadarshini Sahoo of the same batch delivered a hard talk on 'Aurora'.

On 21st September Miss Samal Behera of 13th & 3rd yr. gave a talk entitled as 'Big Bang Theory' & then on 13th October, Miss Achilpa Sharma of 13th & 2nd yr. gave seminar on 'Gravity'.

A topic titled 'Solar Energy' was delivered by Miss. Sushmita Jena of 13th & 3rd yr. & 'Exoplanets' was given by Miss. Sneha Sohalata Nayak of 13th & 2nd yr. on 19th October.

The talks entitled as 'Laser' 'Wind Energy' & 'Solar system' was delivered by Miss Madhusmita Sahoo & Miss Smaranika Priyadarshini Behera of 13th & 3rd & 2nd yr. respectively on 2nd November. While on 23rd November, the topics 'Laser' & 'string Theory' was delivered by Miss. Krishna Daladawa & Miss Anpita Lenk of 13th & 3rd & 2nd yr. respectively.

On 30th November, a talk entitled 'satellite' was delivered by Miss Chandrupriya Biswal of 13th & 3rd yr. & 'Theory of Relativity' by Miss Minori Jena of 13th & 2nd yr.

The welcome ceremony of 13th yr. for the session 2022-23 was organized on 9th December. Miss Manaswini Somen was crowned with the title of 'Miss Fresher'. Miss Jagannese Bhuyan was selected as the 'seminar secretary' while Miss Ipsita Priyadarshini Borkar was selected as the 'Assistant seminar Secretary'. Gifts were presented to all the

Members as a token of love & affection from all the members of our Physics family.

Then on 24th December, a National Webinar was organized by Department of Physics. Two eminent speakers Dr. Sukaalev Sahoo, Associate Professor & HOD of Department of Physics, from IIT, Durgapur and Dr. Monomanjan Kan, Associate Professor, Department of Physics from IIT, Patna graced the occasion by their excellent display on 'Recent Trends in Physics'. Dr. Sukaalev Sahoo presented a talk on 'Recent Advances in High Energy Physics' & Dr. Monomanjan Kan presented a talk on 'Nano Materials for Technological Application'.

On 8th February, a talk entitled 'Touch Screen Technology' was delivered by Miss Alisa Dham of +3 3rd year & 'Satellite Launch Vehicle' by Miss Sumirekha Barik of +3 2nd year.

Miss Baishalini Patra, a student of +3 3rd year threw a talk on 'Theory and Principle of FTIR' on 15th February.

On 15th March, the students of +3 3rd year Miss Pratikshya Priyadarshini gave the seminar on 'Sensor' and Miss Arpita Mallick of +3 2nd year gave the seminar on 'Nuclear Power Plant'.

Then on 22nd March, the students of +3 3rd year, Miss Radhanani Mishra gave the seminar on 'Wireless Power Transmission', Miss Deepshmita Nayak on "Li-Fi Technology" and Miss Subhasmita Das on "Cathode Ray Oscilloscope".

On 29th March, the students of 13th year, Mrs. Mainabati Hembaram gave the seminar on 'Radar Technology', Mrs. Debo Sonar on 'Paper Battery', Mrs. Arpita Priyadarshini on 'Hydropower plant', Mrs. Geetanjali Binool on 'Digital Multimeter' and Mrs. Divyajyotirmayee Sahoo on 'Nano Photonics and its Application'.

I extend all my gratitude to our Head of the Department Dr. Biswasdas Mohanty Sir, Dr. Anita Meikap ma'am, Sri Himanshu Sekhar Sethy Sir, Smt. Swagatika Pattnayak ma'am, Dr. Nitali Dash ma'am, Mrs. Soumita Sahoo ma'am, Smt. Kishanmayee Sahoo ma'am, Mrs. Lipsa Khatikia ma'am, Sri Suryakanta Pradhan Sir, Sri Hariprasad Swain Sir for their support & co-operation.

Last but not the least I thank all my classmates and all my juniors for their active involvement to make this annual seminar day a grand success.

So, with this it's the time to wrap up and finally it's the closer of 17th Annual Seminar Report for session 2022-23.

May God bless us & Take Care!

Thank you all

Myselvi Mrs. Deepthi Smita Nayak, Seminar Secretary signing off.

Dr. - 4th April 2023

Members Attending The Annual Seminar 2022-23

Teaching Staffs

Himanshu Shekhar Sethi
04/04/23

Nitali Dash. 04/04/2023.

Swagatha Pattnayak 4/4/23.

Kiranmayee Sah.

Prusty
4/4/23
Head of the Department
(Dept. of Physics)

Septi smita Nayak
Seminar
secretary

+3 3rd yr.

Septi smita Nayak
Subhamita Das
Baishalini Patra
Radharani Mishra
Ananya Anindita
Nitali Binod
Serali Sahoo

+3 2nd yr.

Ampita Lenka
Lipsarani Rout
Simarani Mallik
Sarita Muduli
Chinmayee Prusty
Sumi Rekha Prusty

+3 1st yr.

Pranshee Bhuyan
Pankajini Behera
Anpita Mahapatra
Laxmipriya Sahoo
Swojantra Rout

Divyajyotinmayee Sahoo
Arpita Poudarshini

Madhusmita Sahoo
Pralokhya Priyadarshini

Riya Poudarshini Sahoo
Maitabati Hembrun.

Bhanupriya Biswal
Alisha Oram

Somali Behera

Swatismita Jena

Krushna Baldewa

Delho Soren

Pooja Sahoo
Mihari Jena

Samali & Nayak
Smriti Parola

Baranti Jamuna

Sonam Satapathy

Janak Kuremu

Swarnamayee Paraseth

Subhanshi Sahoo

Manaswini Manisha Manjari

Birishakshi Pranadhan

Smaranika priyadarshini Bandhan

Samakanti Mallik

Biraja Tiria

Arpita Mallik
Deepanjali Mohanty

Subhradeep Nayak.

Samirika Thakur
Suchismita Bantik

Sujimani Soren
Sachinika Jena

Kabirika Gura

Suchitra Sahoo

Kalidipta Biswal

Arpita Mallik

Neha Behera

Bipasha Mishra

Sunali Torai

Ipsita Priyadarshini Das

Manaswini Soren

Sonada Mondal