

REPORT ON NATIONAL WEBINAR ORGANIZED BY PG DEPT OF PHYSICS

FM AUTONOMOUS COLLEGE, BALASORE

A National webinar titled “Current Advances in the World of Physics” was organized by Department of Physics, FM Autonomous College, Balasore on Dt 28th July, 2021 from 10.30 am to 1 pm on google meet platform. The Lecture consisted of two sessions. In the 1st session, Dr Saroj Kumar Nayak, Former Professor , Rensselaer, USA and presently Professor at Department of Physics, IIT, Bhubaneswar graced the occasion as the resource person. The chief patron and Principal, Dr Sangita Sahu welcomed the resource persons, participants and the students. In her speech she briefed the audience about the Department, its achievements and the aim and goal of the webinar.

Prof S K Nayak’s deliberation on the topic “ Physics of Energy: From quantum Materials to Energy to distribution” was very much relevant and enlightened on the much needed quantum materials , their uses and implementation in practical field. These materials exhibit many exotic behaviour underlining strongly correlated electrons of condensed matter. These special materials have huge potential and could result in highly energy efficient systems. Prof Nayak’s discussion was very much focussed on the emerging research fields and application.

The Resource person for session-II was Dr. Hara Prasanna Lenka, Sr. Scientific Officer, NISER. His topic was “ Particle Accelerators: Exploring mysteries of nature to its unseen impact science, society and environment” In his talk Dr. Lenka explained how the amazing world of particles is probed by accelerator. The versatility of this instrument lies in the wide range of application from semiconductor technology to environmental science.

Convener of the Webinar and Head of the Department Mousumi Das Pattanayak introduced the eminent speakers to the audience. Both the sessions were very interesting and provided insightful ideas. The participants took part in the interactive session in an active manner. Student’s queries were addressed satisfactorily. Almost 100 participants including students of this college , other colleges , teaching faculties and researchers attended the webinar. Vote of thanks was offered by Dr Sunita Mohanty and Mr. Sameer Kumar Behera respectively for the two sessions. E certificates were issued to all the participants.

NATIONAL WEBINAR

Current Advances in the World of Physics

Organised by:
Department of Physics, Fakir Mohan Autonomous College, Balasore
Date : 28/07/2021 | Time : 10.30 AM to 1.15 PM

About the Department:
Department of Physics of F.M. College is one of the oldest departments imparting the knowledge of Physics in Odisha. Presently the department offers teaching facility in both UG and PG level. The PG department was established in the year 1989 and has student strength of 16 in each year offering condensed matter Physics as the special paper. The department has produced brilliant students who have excelled in national & international level. Each year students of the department qualify in All India Entrance Tests and joint premium institutions for higher studies.

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Go-Convenor

Mr. Sameer Ku. Behera, Asst. Professor
Dr. Sunita Mohanty, Asst. Professor
Dr. Dipak Ku. Mohanty, Asst. Professor
Ms. Swarnapra Samal, Guest Faculty

Technical Co-ordinator:
Sanjogita Das, Programmer, Dept. of Comp. Science

PROGRAMME

10.30 A.M - Introduction by Convenor
Mousumi Das Pattanayak
HOD, Physics

10.40 A.M - Welcome address by Principal Cum Patron
Dr. Sangita Sahu

10.45 A.M - Talk by Resource Person - I
Dr. Saroj Ku. Nayak
Resource Person (Session-I) (IT, Bio-Informatics)
Topic: "The Use of Energy / From Quantum Mechanics to Energy to Distribution"

11.45 A.M - Interactive session

12.00 Noon - Talk by Resource Person-II
Dr. Hara Prasanna Lenka
Senior Scientist, Officer, NSIR, Bhubaneswar
Topic: "Statistical Mechanics: A Guiding Moment of Nature to its unseen Impact on Science, Society & Environment"

1.00 PM - Interactive session

1.15 PM - Vote of Thanks by
Mr. Sameer Kumar Behera
Asst. Prof. of Physics

ABOUT THE WEBINAR

CURRENT ADVANCES IN THE WORLD OF PHYSICS
Current Advances in Physics aims at quantum mechanical surprising effects in materials having many unexplained exotic behaviour underlying strongly correlated electrons of condensed matter. It promises special materials having huge potential resulting in highly energy efficient systems.

The probing world not only looks into these exciting properties of materials but also explores the amazing particle world through Accelerators. Versatility of this instrument lies in the wide range of application from Semiconductor Technology to environment science.

Link for Registration form: <https://forms.gle/1ThaKQycsaLw45> Link for Whatsapp Group: <https://chat.whatsapp.com/3W6p81355d6f5T1A> Link for Webinar Platform will be provided one day before.

