

Name of Programme:One day Seminar

Seminar Topic: “Molecular electronics: Electronics using molecules”

Notice of the Programme/Principal Permission copy:

KATWA COLLEGE

(Affiliated to the UNIVERSITY OF BURDWAN)



Tel.: (03453) 255049

Mail : katcoll2009@gmail.com

Website : www.katwacollege.ac.in

Notice

Date:22.10.2024

It is my pleasure to invite all of my esteemed colleagues and beloved students to attend the one-day seminar, arranged by the Department of Physics, Katwa College, on 29/10/2024 at 01:30 pm. The sole speaker of the seminar is one of the alumni of department of Physics, Dr. Arup Sarkar, Department of Molecular Chemistry and Materials Science, Weizmann Institute of Science, Rehovot, Israel. Dr. Sarkar's deliberation will primarily encompass around much fascinating and challenging area of Physics-Molecular Electronics which has enormous potential in the field of application oriented new research. We hope the students of Physics, Chemistry, Mathematics, Electronics, Botany and Zoology will surely be benefited and will be motivated to pursue research work if they attend the seminar. Interested teachers from others departments are also welcome to the seminar.

The details of the programme are given below.

Programme Details:

Date: 29/10/2024

Time: 01:30 pm

Venue: College Auditorium

Speaker: Dr. Arup Sarkar, Department of Molecular Chemistry and Materials Science,
Weizmann Institute of Science, Rehovot, Israel

Title : "Molecular electronics: Electronics using molecules"



AS Sarkar
Dr. Nirmalendu Sarkar.

Principal.
Katwa College.

24/10/2024
Principal
Katwa College

Date of the Programme, Venue & Time:

Date: 22.10.2024

Venue: College Auditorium

Time: 01:30 P.M.



**One-day Seminar on
Molecular electronics : Electronics using molecules**

Speaker
Dr. Arup Sarkar
Department of Molecular
Chemistry and Materials
Science, Weizmann Institute of
Science, Rehovot 7610001,
Israel

Organized By: Department of Physics, Katwa College

Date: 29.10.2024
Venue: Auditorium, Katwa College
Time: 1:30pm

****Students of all science departments will be benefited and are cordially welcome to take part in the seminar.**

Programme Schedule:

Date: 22.10.2024

One-day Seminar on "Molecular electronics: Electronics using molecules"

Speaker: Dr. Arup Sarkar, Department of Molecular Chemistry and Materials Science, Weizmann Institute of Science, Rehovot, Israel


**Organized by Department of Physics
Katwa College**
Venue: Katwa College Auditorium
Date : 29.10.2024
Time : 01:30 PM

Programme Schedule **Date: 29.10.2024**

01:30 PM - 01:35 PM: Invitation on stage
01:35 PM - 01:45 PM: Introduction and felicitation of guest
01:45 PM - 01:55 PM: Inaugural Address by Principal
01:55 PM - 02:05 PM: Address by IQAC Coordinator
02:05 PM - 02:15 PM: Introduction of theme of the Seminar by HOD
02:15 PM - 03:45 PM: Special Lecture by Dr. Arup Sarkar
03:45 PM - 04:00 PM: Interaction session
04:00 PM - 04:05 PM: Vote of thanks

Debakinandan Majee 22-10-24
Debakinandan Majee
Convener of Seminar Committee

ASARKAR
Dr. Nirmalendu Sarkar
Principal 22/10/2024
Katwa College
Principal
Katwa College



Resource Person & Topic of Lecture:

Dr. Arup Sarkar, Department of Molecular Chemistry and Materials Science, Weizmann Institute of Science, Rehovot, Israel

Topic: **"Molecular electronics: Electronics using molecules"**

Name of the Department/Committee & Convener Name:

Mr. Debakinandan Majee

Convener of Seminar Committee

Assistant Professor, Department of Physics

No of Participants: 52 (Teachers-22, Students-30)

Title of Seminar: "Molecular electronics: Electronics using molecules"
 Speaker: Dr. Arup Sarkar, Department of Molecular Chemistry and Materials Science,
 Weizmann Institute of Science, Rehovot, Israel
 Date: 29.10.2024
 Time: 01:30 PM
 Venue: Katwa College Auditorium
 Attendance for students

| Sl. No. | Name | Department/Class | Signature | Remarks |
|---------|-------------|------------------|-------------|---------|
| 01 | Ashwini Das | Physics Honours | Ashwini Das | |
| 02 | Arup Sarkar | Physics Honours | Arup Sarkar | |
| 03 | Mishra, S. | Physics Honours | Mishra, S. | |
| 04 | Arup Sarkar | Physics Honours | Arup Sarkar | |
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Title of Seminar: "Molecular electronics: Electronics using molecules"
 Speaker: Dr. Arup Sarkar, Department of Molecular Chemistry and Materials Science,
 Weizmann Institute of Science, Rehovot, Israel
 Date: 29.10.2024
 Time: 01:30 PM
 Venue: Katwa College Auditorium
 Attendance for Teachers

| Sl. No. | Name | Department/Class | Signature | Remarks |
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| 1 | Arup Sarkar | Physics Honours | Arup Sarkar | |
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Outcomes of the Programme:

Abstract:

Molecular electronics: Electronics using molecules
 Weizmann Institute of Science
 Rehovot 7610001, Israel

Molecular electronics is a comparatively new branch of science wherein the molecules or molecular assembly are used as building blocks for the fabrication of electronic components like rectifier, wire, transistor etc. This is a bottom-up approach and differs from the conventional top-down approach in which the electronic components are made from bulk materials. Because of several advantages, there is a dream to replace the inorganic devices with molecular devices. Though this is a very early stage, scientific society is hopeful to achieve this goal in future.

In this regard, I will talk about the main idea and approaches (experimental) in molecular electronics. Further, it will be discussed about its potential for achieving the holy grail of physics- room temperature superconductivity.

GPS photo:




Name of Programme: Felicitation & Seminar Programme

Seminar Topic: "Recreation of Baby Universe in the Laboratory"

Notice of the Programme/Principal Permission copy

KATWA COLLEGE
(Affiliated to the UNIVERSITY OF BURDWAN)



Tel.: (03453) 255049
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Notice


Date: 28.12.2022

It is my pleasure to invite all of my esteemed colleagues and beloved students to attend the felicitation programme, arranged by the Department of Physics, Katwa College, on 29/12/2022 at 1pm, to commemorate the achievement of our alumni Dr. Md. Nasim who has been awarded the prestigious **INSA YOUNG SCIENTIST MEDAL 2021**, given by Indian National Science Academy, for his brilliant contribution in the field of Experimental High Energy Physics. The programme will be concluded by a seminar lecture delivered by Dr. Nasim himself. Professor Dr. Abhijit Chakraborty, Department of Physics of Burdwan University has agreed to present in the programme as our Chief Guest.

The details of the programme are given below.

Looking forward to see you all in the programme,


Dr. Nirmalendu Sarkar,
Principal. 28/12/2022
Katwa College.



Programme Details:
Date: 29/12/2022
Venue: College Auditorium
Time: 1pm
Title of Dr. Md. Nasim's lecture:
"Recreation of Baby Universe in the Laboratory"

Date of the Programme, Venue & Time:

Date: 29.12.2022

Venue: College Auditorium

Time: 01:00 P.M.



Felicitation & Seminar Programme

Seminar On: Recreation of Baby Universe in the Laboratory

Speaker



Dr. Md. Nasim
Assistant Professor,
IISER Berhampur

Organized By: Department of Physics, Katwa College

Chief Guest: Dr. Abhijit Chakraborty
Department of Physics, The University of Burdwan

Date: 29.12.2022
Venue: Auditorium, Katwa College
Time: 1pm

All are cordially welcome to take part in the seminar.

Resource Person & Topic of Lecture:

Dr. Md. Nasim, Assistant Professor, IISER Berhampur

Topic: "Recreation of Baby Universe in the Laboratory"

Name of the Department/Committee & Convener Name:

Mr. Debakinandan Majee

Convener of Seminar Committee

Assistant Professor, Department of Physics

No of Participants: 81 (Teachers-37, Students-44)

| Education & Seminar Programme | | | | |
|--|----------------|------------------|-------------|---------|
| Speaker: Dr. Md. Nasim, Assistant Professor, IISER Berhampur | | | | |
| Topic: "Recreation of Baby Universe in the Laboratory" | | | | |
| Venue: College Auditorium, Kaniya College | | | | |
| Date: 29/12/2022 Time: 03:00 PM | | | | |
| Signature of Students | | | | |
| Sl. No. | Name | Department/Class | Signature | Remarks |
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| Education & Seminar Programme | | | | |
|--|----------------|------------------|-------------|---------|
| Speaker: Dr. Md. Nasim, Assistant Professor, IISER Berhampur | | | | |
| Topic: "Recreation of Baby Universe in the Laboratory" | | | | |
| Venue: College Auditorium, Kaniya College | | | | |
| Date: 29/12/2022 Time: 03:00 PM | | | | |
| Signature of Teachers | | | | |
| Sl. No. | Name | Department/Class | Signature | Remarks |
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| Education & Seminar Programme | | | | |
|--|----------------|------------------|-------------|---------|
| Speaker: Dr. Md. Nasim, Assistant Professor, IISER Berhampur | | | | |
| Topic: "Recreation of Baby Universe in the Laboratory" | | | | |
| Venue: College Auditorium, Kaniya College | | | | |
| Date: 29/12/2022 Time: 03:00 PM | | | | |
| Signature of Students | | | | |
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Outcomes of the Programme:

Abstract:

According to quantum chromodynamics (QCD), at very high temperature (T) and/or at high density, a de-confined phase of quarks and gluons is expected to be present, while at low T and low density the quarks and gluons are known to be confined inside hadrons. The heavy-ion collisions ($A + A$) provide a unique opportunity to study QCD matter in the laboratory experiments. The medium created in the heavy-ion collision is very hot (~ 4 trillion degrees Celsius) and dense and also extremely short-lived ($\sim 10-23$ sec). In this talk, the speaker discussed various properties of QCD matter produced in heavy-ion collisions.

To encourage our students of our college seminar committee, arrange a one-day seminar on 29-12-2022 where Dr. Md. Nasim, Assistant Professor, IISER Berhampur delivered a talk entitled “Recreation of Baby Universe in the Laboratory”. We conducted a programme in two sessions in the first session on behalf of Katwa College we felicitated Dr. Nasim for his achievements (Prestigious INSA YOUNG SCIENTIST MEDAL-2021). In felicitation programme few faculty members of Katwa College introduced Dr. Nasim and three Ex-students of Physics departments gave deliberation. Dr. Abhijit Chakraborty, Professor, Department of Physics, Burdwan University was the Chief Guest in our programme.

Geo Tag photo:



Name of Programme: One day Seminar

Seminar Topic: “Small is Beautiful - A Micro and Nano World Perspective in Human Life”

Notice of the Programme/Principal Permission copy

KATWA COLLEGE

(Affiliated to the UNIVERSITY OF BURDWAN)



Tel.: (03453) 255049

Mail : katcoll2009@gmail.com

Website : www.katwacollege.ac.in

NOTICE

Date: 22.12.2022

This is to inform all the teachers and students of the department of Physics, Chemistry, Zoology and Botany of Katwa College that Dr. Sankar Dutta, Scientist, DRDO, will deliver a talk on 23.12.2022 at our College. The students and teachers of the said departments are requested to attend positively the lecture entitled “Small is Beautiful- A Micro and Nano World Perspective in Human Life”. Interested teachers and students from others departments are also welcome to the seminar.

Venue: College Auditorium

Time: 02:00 P.M

Date: 23.12.2022



NS Sarkar
Dr. Nirmalendu Sarkar

Principal *22/12/22*

Katwa College

Principal


KATWA COLLEGE

Date of the Programme, Venue & Time:

Date: 23.12.2022

Venue: College Auditorium


Time: 02:00 P.M.



Department of Physics
KATWA COLLEGE

Seminar On
Small is Beautiful - A micro and nano world perspective in human life.

Speaker



Dr. Shankar Dutta
Scientist, Defence Research and
Development Organization, Delhi.

Date : 23.12.2022
Time : 2 PM
Venue : Auditorium ; Katwa College
Organising Committee : Department of Physics, Katwa College
**** No Registration Fee ****

Resource Person & Topic of Lecture:

Dr. Sankar Dutta, Scientist, DRDO, Delhi

Topic: “Small is Beautiful - A Micro and Nano World Perspective in Human Life”

Name of the Department/Committee & Convener Name:

Mr. Debakinandan Majee

Convener of Seminar Committee

Assistant Professor, Department of Physics

No of Participants: 65 (Teachers-26, Students-39)

Topic: "Small is Beautiful-A micro and nano world perspective in human life"
Venue : College Auditorium , Kanna College
Date : 23/12/2022 Time : 02:00 PM

Signature of Teachers

| Sl. No. | Name | Department/Class | Signature | Remarks |
|---------|------------------------|------------------|-------------|---------|
| 1 | Mr. Debakinandan Majee | Physics | [Signature] | |
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Topic: "Small is Beautiful-A micro and nano world perspective in human life"
Venue : College Auditorium , Kanna College
Date : 23/12/2022 Time : 02:00 PM

Signature of Students

| Sl. No. | Name | Department/Class | Signature | Remarks |
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Outcomes of the Programme:

Small is Beautiful - A Micro and Nano World Perspective in Human Life

Abstract:

Since the pre-historian ages, the continuous efforts for the betterment of mankind have led to many revolutionary inventions. We all know how the inventions of fire, wheel, gunpowder, steam engine, electricity, etc. have changed human lifestyle. Today, we can't imagine our daily life without the presence of computers, mobile, internet. The progress in biotechnology has led to many therapeutic compounds, which save our lives from many life-threatening diseases. Behind many of these modern-day technological marvels, the technologies of micro and nano worlds act as the basic building block.

With the advent of micro and nano technologies, it is possible to send a miniaturized robotic arm (having a camera and actuators) through a vein to rectify heart problems. The size and weight of

computers reduced from 15 m long and 5 tons in 1945 to a few hundred grams which fitting today on our lap are only possible due to the quest for miniaturization.

To excel in the betterment of human life, the basic understanding of micro and nanotechnologies need to be understood.

To encourage our students of Katwa college seminar committee arrange a one-day seminar on 23-12-22 where Dr.Sankar Dutta, Scientist, DRDO, Delhi delivered a talk entitled 'Small is Beautiful - A Micro and Nano World Perspective in Human Life'. Dr. Dutta discussed how DRDO scientists support our soldiers technologically to fight against our enemy. He discussed various aspects of Micro Electromechanical System (MEMS) and Nano Electromechanical System (NEMS) for our students to make them interested in research in this particular field. He also discussed how semiconductor devices and sensors are used in the defense of our country. He also discussed the scopes of research and job opportunities in the field of Nano and material science. It is to be noted that not only the students of Physics the students of other science department like Chemistry, Zoology, Botany were present in Dr.Sankar's lecture.

Geo Tag Photo:




Name of Programme: One day Seminar

Seminar Topic: Study of polar sea-ice and its impact on Indian Climate Variability

Notice of the Programme/Principal Permission copy

KATWA COLLEGE
(Affiliated to the UNIVERSITY OF BURDWAN)



Tel.: (03453) 255049
Mail : katcoll2009@gmail.com
Website : www.katwacollege.ac.in


NOTICE

Date: 07.12.2022

This is to inform all the teachers and students of the department of Physics, Chemistry, Mathematics, Zoology, Botany and Geography of Katwa College that Dr. Arnab Mukherjee, Scientist, National Centre for Polar and Ocean Research (NCPOR), Ministry of Earth Sciences, Government of India, will deliver a talk on 08.12.2022 at our College. The students and teachers of the said departments are requested to attend positively the lecture entitled "Study of polar sea-ice and its impact on Indian Climate variability". Interested teachers from others departments are also welcome to the seminar.

Venue: College Auditorium
Time: 02:00 P.M
Date: 08.12.2022

N. Sarkar
Dr. Nirmalendu Sarkar
Principal *07/12/22*
Katwa College
Principal
KATWA COLLEG.

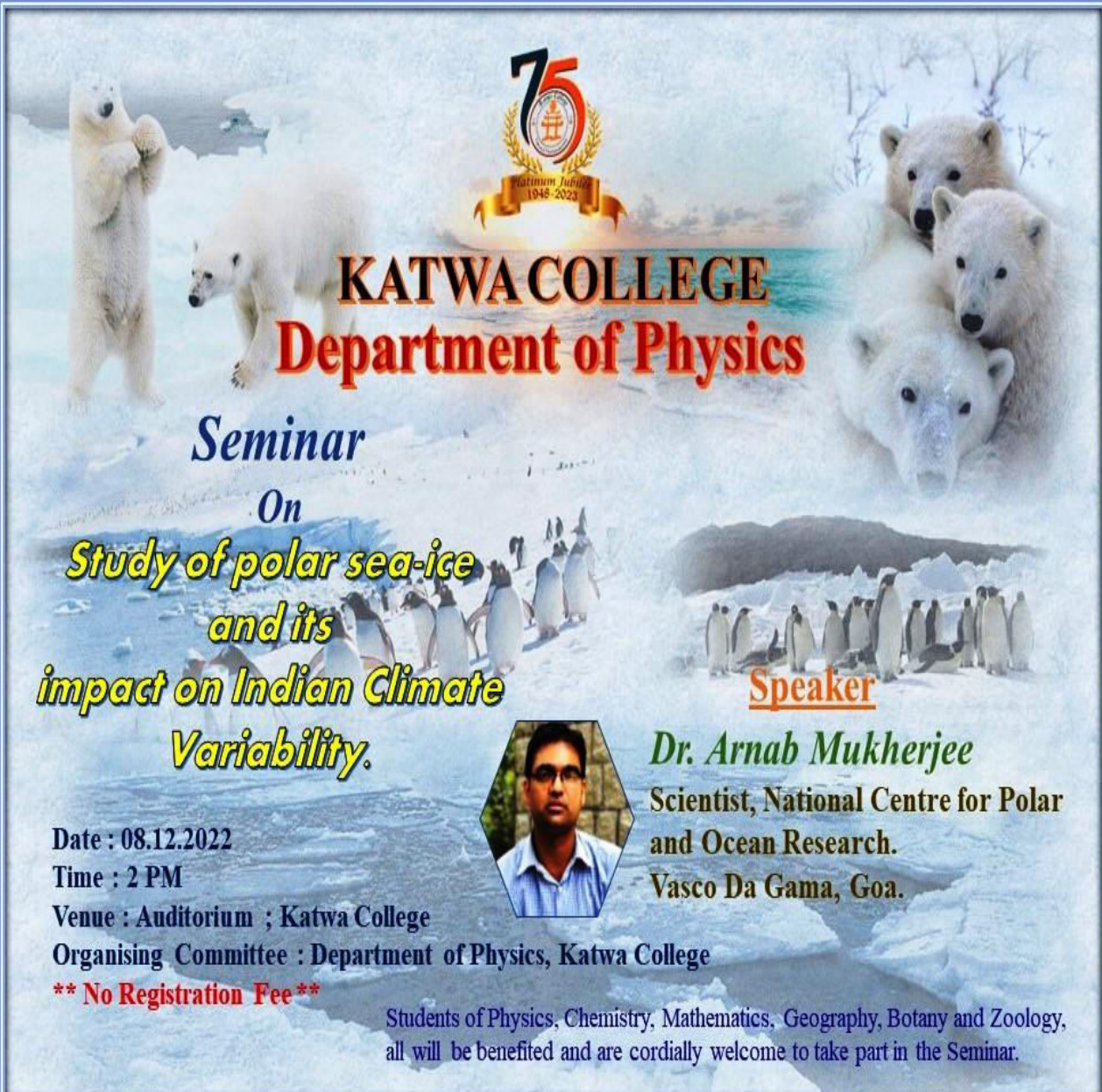



Date of the Programme, Venue & Time:

Date: 08.12.2022

Venue: College Auditorium

Time: 02:00 P.M.






KATWA COLLEGE
Department of Physics

Seminar
On
Study of polar sea-ice
and its
impact on Indian Climate
Variability.

Speaker

Dr. Arnab Mukherjee
Scientist, National Centre for Polar
and Ocean Research.
Vasco Da Gama, Goa.



Date : 08.12.2022
Time : 2 PM
Venue : Auditorium ; Katwa College
Organising Committee : Department of Physics, Katwa College

**** No Registration Fee ****

Students of Physics, Chemistry, Mathematics, Geography, Botany and Zoology,
all will be benefited and are cordially welcome to take part in the Seminar.

Resource Person & Topic of Lecture:

Dr. Arnab Mukherjee, Scientist 'D', National Centre for Polar and Ocean Research (NCPOR), Ministry of Earth Sciences, Government of India.

Title of the talk: Study of polar sea-ice and its impact on Indian Climate Variability

Name of the Department/Committee & Convener Name:

Mr. Debakinandan Majee

Convener of Seminar Committee

Assistant Professor, Department of Physics

No of Participants: 64 (Teachers-19, Students-45)

Signature: Dr. Arnab Mukherjee, Scientist, National Centre for Polar and Ocean Research (NCPOR), Ministry of Earth Sciences, Government of India.
Topic: "Study of polar sea-ice and its impact on Indian Climate variability"
Venue: College Auditorium, Ravens College
Date: 08/12/2022 Time: 12:30 PM

Signature of Teachers

| Sl. No. | Name | Department/Class | Signature | Remarks |
|---------|------------------------|------------------|-------------|---------|
| 1 | Dr. Arnab Mukherjee | Physics | [Signature] | |
| 2 | Dr. Debakinandan Majee | Physics | [Signature] | |
| 3 | Dr. Anil Kumar | Physics | [Signature] | |
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Signature: Dr. Arnab Mukherjee, Scientist, National Centre for Polar and Ocean Research (NCPOR), Ministry of Earth Sciences, Government of India.
Topic: "Study of polar sea-ice and its impact on Indian Climate variability"
Venue: College Auditorium, Ravens College
Date: 08/12/2022 Time: 12:30 PM

Signature of Students

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Signature: Dr. Arnab Mukherjee, Scientist, National Centre for Polar and Ocean Research (NCPOR), Ministry of Earth Sciences, Government of India.
Topic: "Study of polar sea-ice and its impact on Indian Climate variability"
Venue: College Auditorium, Ravens College
Date: 08/12/2022 Time: 12:30 PM

Signature of Students

| Sl. No. | Name | Department/Class | Signature | Remarks |
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| 1 | Dr. Anil Kumar | Physics | [Signature] | |
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Outcomes of the Programme:

Abstract:

In recent times, rapid melting of polar sea ice has been observed in both Arctic (North Pole) and Antarctic (South Pole) regions, however rate of melting is high in the Arctic compared to the Antarctic. The rapid decline of sea-ice is responsible for warmer climate in the Polar regions and play a dominant role for global warming in the World. A recent study also shows that there is a

teleconnection between the rapid change of Arctic sea ice and extreme climatic events in India. However, the role of polar sea-ice on Indian climate is mostly unknown and research is going on to understand the connection between polar sea-ice and Indian climate variability.

Our institute named “**National Centre for Polar and Ocean Research (NCPOR)**”, located at Vasco Da Gama, Goa is a part of the **Ministry of Earth Sciences (MOES)** and is dedicated to research on all sectors of Polar Oceanography which includes Polar Biology, Polar Chemistry, Polar Physics, etc. In my group, we have developed a global ocean sea-ice coupled general circulation model to study polar sea-ice variability and its impact on global climate. The development of the model is based on geophysical fluid dynamics and we are using a High-Performance Computing (HPC) facility installed at the Indian Institute of Tropical Meteorology (IITM), Pune for running the numerical model. Research on the continuous development of the model is going on by improving the physics of the model and configurations.

Our institute NCPOR is involved in annual expeditions to the Arctic, and the Antarctic and also started expeditions in Himalayan regions for various observations related to the ocean, atmosphere, river, etc. These observations are regularly analysed to understand various changes in the above regions and also compared with numerical models to understand the physics of it. Apart from three pole expeditions (Arctic, Antarctic, and Himalaya), our institute also works on climate variability in the southern part of the Indian Ocean and for the above study, every year an expedition has been organized using a research vessel ship to collect various oceanographic and atmospheric observational data.

To encourage our students of Katwa college seminar committee arrange a one-day seminar on 08-12-22 where Dr. Arnab Mukherjee, Scientist 'D', National Centre for Polar and Ocean Research (NCPOR), Ministry of Earth Sciences, Government of India, delivered a talk entitled 'Study of polar sea-ice and its impact on Indian Climate Variability'. Where he discussed various aspects of Polar climate and Oceanography. He also discussed the scopes of research and job opportunities in the field of Polar Oceanography. It is to be noted that not only the students of Physics the students of other science departments like Chemistry, Mathematics, Zoology, Botany and Geography were present in Dr. Mukherjee's lecture.

Geo Tag photo:




Name of Programme: One day Seminar

Seminar Topic: “Basics of Geophysics and its career opportunities”

Notice of the Programme/Principal Permission copy

KATWA COLLEGE
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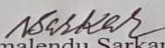
Tel.: (03453) 255049
Mail : katcoll2009@gmail.com
Website : www.katwacollege.ac.in

NOTICE


Date: 02.11.2022

This is to inform all the teachers and students of the departments of Physics, Chemistry, Mathematics and Geography of Katwa College that **Dr. Chinmay Haldar**, Scientist, Wadia Institute of Himalayan Geology, Department of Science and Technology, Government of India, will deliver a talk on 03.11.2022 at our college. The students and teachers of the said departments are directed to positively attend the lecture entitled “**Basics of Geophysics and its career opportunities**”. Interested teachers from other departments are also welcome to the seminar.

Venue: College Auditorium
Time: 02.00 P.M
Date: 03.11.2022

Dr. 
Principal
Katwa College

Debakinandan Majee
02/11/2022
Debakinandan Majee
Convener, Seminar Committee




Date of the Programme, Venue & Time:

Date: 03.11.2022

Venue: College Auditorium

Time: 02:00 P.M.



KATWA COLLEGE
Department of Physics

Seminar
On

Basics of Geophysics and its career opportunities

Organized by
Department of Physics, Katwa College
Katwa , Purba Bardhaman

Speaker



Dr. Chinmay Haldar, PhD
Scientist, Wadia Institute of Himalayan Geology
Department of Science and Technology, Government of India

Date : 03.11.2022
Time : 02.00 PM
Venue : Auditorium, Katwa College

** All are cordially invited **

Resource Person & Topic of Lecture:

Dr. ChinmayHaldar, Scientist, Wadia Institute of Himalayan Geography, Department of Science and Technology, Government of India.

Topic: “Basics of Geophysics and its career opportunities”

Name of the Department/Committee & Convener Name:

Mr. DebakinandanMajee

Convener of Seminar Committee

Assistant Professor, Department of Physics

No of Participants: 85 (Teachers-23, Students-62)

Title of Seminar: "Basics of Geophysics and its career opportunities."
Speaker: Dr. Chinmay Haldar, Scientist, Wadia Institute of Himalayan Geology, D.S.T.

Venue: Kanya College Auditorium
Attendance for Teachers

Date:03.11.2022 Time:02:00P.M

| Sl. No. | Name | Department/Class | Signature | Remarks |
|---------|-------------------------|------------------|-------------|---------|
| 1 | Dr. Debaki Nandan Majee | Physics | [Signature] | |
| 2 | Dr. Chinmay Haldar | Physics | [Signature] | |
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Title of Seminar: "Basics of Geophysics and its career opportunities."
Speaker: Dr. Chinmay Haldar, Scientist, Wadia Institute of Himalayan Geology, D.S.T.

Venue: Kanya College Auditorium
Attendance for Students

Date:03.11.2022 Time:02:00P.M

| Sl. No. | Name | Department/Class | Signature | Remarks |
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| 1 | Dr. Anil Kumar | Physics | [Signature] | |
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Title of Seminar: "Basics of Geophysics and its career opportunities."
Speaker: Dr. Chinmay Haldar, Scientist, Wadia Institute of Himalayan Geology, D.S.T.

Venue: Kanya College Auditorium
Attendance for Students

Date:03.11.2022 Time:02:00P.M

| Sl. No. | Name | Department/Class | Signature | Remarks |
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| 43 | Dr. Anil Kumar | Physics | [Signature] | |
| 44 | Dr. Anil Kumar | Physics | [Signature] | |
| 45 | Dr. Anil Kumar | Physics | [Signature] | |
| 46 | Dr. Anil Kumar | Physics | [Signature] | |
| 47 | Dr. Anil Kumar | Physics | [Signature] | |
| 48 | Dr. Anil Kumar | Physics | [Signature] | |
| 49 | Dr. Anil Kumar | Physics | [Signature] | |
| 50 | Dr. Anil Kumar | Physics | [Signature] | |
| 51 | Dr. Anil Kumar | Physics | [Signature] | |
| 52 | Dr. Anil Kumar | Physics | [Signature] | |
| 53 | Dr. Anil Kumar | Physics | [Signature] | |
| 54 | Dr. Anil Kumar | Physics | [Signature] | |
| 55 | Dr. Anil Kumar | Physics | [Signature] | |
| 56 | Dr. Anil Kumar | Physics | [Signature] | |
| 57 | Dr. Anil Kumar | Physics | [Signature] | |
| 58 | Dr. Anil Kumar | Physics | [Signature] | |
| 59 | Dr. Anil Kumar | Physics | [Signature] | |
| 60 | Dr. Anil Kumar | Physics | [Signature] | |
| 61 | Dr. Anil Kumar | Physics | [Signature] | |
| 62 | Dr. Anil Kumar | Physics | [Signature] | |

Outcomes of the Programme:

Geophysics is understanding the Earth and similar planetary systems by applying the principles of Physics. It may be studied from two different points of view: (a) Theoretical, and (b) Exploration. In theoretical Geophysics, we try to understand various properties of the Earth and Earth-like systems from basic scientific principles. It includes rigorous mathematics, chemical study, and other interdisciplinary theories. In exploration Geophysics, we learn various well-established exploration techniques like gravity survey, seismic survey, electromagnetic survey, well-logging, etc.

This is where money is. If you develop expertise in any of the survey techniques, you may get a high paid job.

Geophysics specially the exploration Geophysics is highly rewarding field of study. There are various job opportunities available in the private sector, PSU, and directly in the govt.

Private Sector: Various private companies like SLB, Cairn take Geophysicists every year.

PSU: PSU like ONGC and other companies take hundreds of Geophysicists each year through campus placement as well as through GATE score.

Govt Job: There are some very prestigious govt job roles for Geophysicists like the GSI.

Geophysics is still developing and there are huge possible areas of development. As the theories in other fields develop, smart Geophysicists will try to make it applicable in their work. A latest example is where muon survey techniques are coming up where we can map the subsurface looking up from the core.

The latest inclusion of AI/ML (Artificial Intelligence/ Machine Learning) in Geophysical research make it so much young again to grow. For example, the earthquake prediction research has grown significantly in the last few years.

In the development of a nation Geophysicists play an active role. Here is how:

1. Geophysicists do the areal survey through remote sensing, airborne or by other means. Areal exploration is the very first step of finding a deposit of national resources. National resources decide the economy of a country and thus the standard of living of its people.

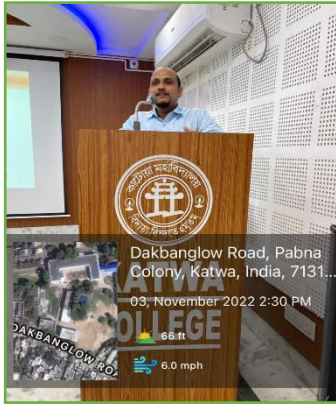
Example: Recently we found Li deposit in Kashmir valley. It will definitely boost the EV manufacturing in India. People will get job with cheaper EVs.

2. Geophysicists play an active role in observing the changing seismicity of a nation. They help in deciding the locations of major infrastructure projects.

Other so many.

To encourage our students of our college seminar committee, arrange a one-day seminar on 03-11-2022 where Dr. ChinmayHaldar, Scientist, Wadia Institute of Himalayan Geography, Department of Science and Technology, Government of India, delivered a talk entitled “Basics of Geophysics and its career opportunities”. Where he discussed various scopes of research and job opportunities in the field of Geophysics. It is to be noted that not only the students of Physics the students of other science departments like Chemistry, Mathematics and Geography were present in Dr.Haldar’s lecture.


Geo Tag photo:



Name of Programme: Observe the 158th birth anniversary of the Great Indian Scientist Sri Acharya Prafulla Chandra Ray

Seminar Topic: “Life and Works of Great Indian Scientist Sri Acharya Prafulla Chandra Ray”

Notice of the Programme/Principal Permission copy

| | | |
|--|---|--|
| Notice | Date | 03/08/19 |
| <p>The department of Chemistry, Physics & Mathematics of Katwa College are going to observe the 158th birth anniversary of the Great Indian Scientist Sri Acharya Prafulla Chandra Ray on 09/08/2019 in our college. All our esteemed colleagues and students are requested to take part the programme and make it a success.</p> | | |
| Venue : College Auditorium | | |
| Date : 09/08/2019 | | |
| Time : 12 noon | | |
| <p><i>Principal</i> Principal 03/08/19 Principal Katwa College Katwa College</p> |  | <p><i>Debakinandan Majee</i> 03/08/19 Conveners of Seminar Committee</p> |

Date of the Programme, Venue & Time:

Date: 09.08.2019

Venue: College Auditorium

Time: 12:00 Noon

Resource Persons/Speakers & Topic of Lecture:

Dr. Dayamoy Bisui, HOD, Department of Physics, Katwa College

Dr. Kedar Nath Mitra, HOD, Department of Chemistry, Katwa College

Topic: "Life and Works of Great Indian Scientist Sri Acharya Prafulla Chandra Ray"

Name of the Department/Committee & Convener Name:

Mr. Debakinandan Majee

Convener of Seminar Committee

Assistant Professor, Department of Physics

No of Participants: 140 (Teachers-18, Students-122)

Celebration of 188th birthday of Acharya Prafulla Chandra Ray
Venue: Conference Hall, Katwa College
Date: 09.08.19
Time: 12:00 Noon
Attendance for students

| Sl.No | Name | Department/Class | Signature |
|-------|--------------|--------------------|--------------|
| 1 | Gourajit Das | B.Sc. Chem Honours | Gourajit Das |
| 2 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 3 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 4 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 5 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 6 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 7 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 8 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 9 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 10 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 11 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 12 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 13 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 14 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 15 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 16 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 17 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 18 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 19 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 20 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 21 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 22 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 23 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 24 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 25 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 26 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 27 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 28 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 29 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 30 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |
| 31 | Rishabh Das | B.Sc. Chem Honours | Rishabh Das |

Celebration of 188th birthday of Acharya Prafulla Chandra Ray
Venue: Conference Hall, Katwa College
Date: 09.08.19
Time: 12:00 Noon
Attendance for students

| Sl.No | Name | Department/Class | Signature |
|-------|------------------|------------------|------------------|
| 1 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 2 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 3 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 4 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 5 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 6 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 7 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 8 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 9 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 10 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 11 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 12 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 13 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 14 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 15 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 16 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 17 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 18 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 19 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 20 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 21 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 22 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 23 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 24 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 25 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 26 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 27 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 28 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 29 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 30 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |
| 31 | Mr. Rajesh Kumar | B.Sc. Pure Phys | Mr. Rajesh Kumar |

Celebration of 188th birthday of Acharya Prafulla Chandra Ray
Venue: Conference Hall, Katwa College
Date: 09.08.19
Time: 12:00 Noon
Attendance for Teachers

| Sl.No | Name | Department/Class | Signature |
|-------|--------------|------------------|--------------|
| 1 | Gourajit Das | Chemistry | Gourajit Das |
| 2 | Rishabh Das | Mathematics | Rishabh Das |
| 3 | Rishabh Das | Chemistry | Rishabh Das |
| 4 | Rishabh Das | Physics | Rishabh Das |
| 5 | Rishabh Das | Chemistry | Rishabh Das |
| 6 | Rishabh Das | Physics | Rishabh Das |
| 7 | Rishabh Das | Chemistry | Rishabh Das |
| 8 | Rishabh Das | Physics | Rishabh Das |
| 9 | Rishabh Das | Chemistry | Rishabh Das |
| 10 | Rishabh Das | Physics | Rishabh Das |
| 11 | Rishabh Das | Chemistry | Rishabh Das |
| 12 | Rishabh Das | Physics | Rishabh Das |
| 13 | Rishabh Das | Chemistry | Rishabh Das |
| 14 | Rishabh Das | Physics | Rishabh Das |
| 15 | Rishabh Das | Chemistry | Rishabh Das |
| 16 | Rishabh Das | Physics | Rishabh Das |
| 17 | Rishabh Das | Chemistry | Rishabh Das |
| 18 | Rishabh Das | Physics | Rishabh Das |

Celebration of 188th birthday of Acharya Prafulla Chandra Ray
Venue: Conference Hall, Katwa College
Date: 09.08.19
Time: 12:00 Noon
Attendance for students

| Sl.No | Name | Department/Class | Signature |
|-------|----------------|------------------|----------------|
| 1 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 2 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 3 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 4 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 5 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 6 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 7 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 8 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 9 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 10 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 11 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 12 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 13 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 14 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 15 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 16 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 17 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 18 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 19 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 20 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 21 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 22 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 23 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 24 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 25 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 26 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 27 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 28 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 29 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 30 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |
| 31 | Sushanta Ghosh | Physics Honors | Sushanta Ghosh |

Outcomes of the Programme:

To commemorate 158th birth anniversary of great Indian Teacher and Scientist Sri Acharya Prafulla Chandra Ray and to encourage the students of Katwa College, seminar committee arranged a one-day seminar on 09-08-19 on behalf of Katwa College. The speakers of the seminar were Dr. Dayamoy Bisui, HOD, Department of Physics, Katwa College and Dr. Kedar Nath Mitra, HOD, Department of Chemistry, Katwa College. Dr. Bisui, in his deliberation focused on life of Sri Acharya Prafulla Chandra Ray and main theme of lecture of Dr. Mitra was work and activity of Sri Acharya Prafulla Chandra Ray.

Photo:

