

Dept. of ENGLISH

Students' Talk (Sem 1) on Harold Pinter

On 11.02.2021 the students of Sem 1 ENGA participated in a Departmental Student talk where they gave PPT presentation on Harold Pinter (part of their CC 1 syllabus) under the guidance of Dr. Madhumita Basu. The talk was conducted online via Google Meet.

Number of students
participated – 35
Date- 11.02.2021

Chitraniya Kayal is presenting

PARTITION LITERATURE
 The theme is based on **India-Pakistan** Partition



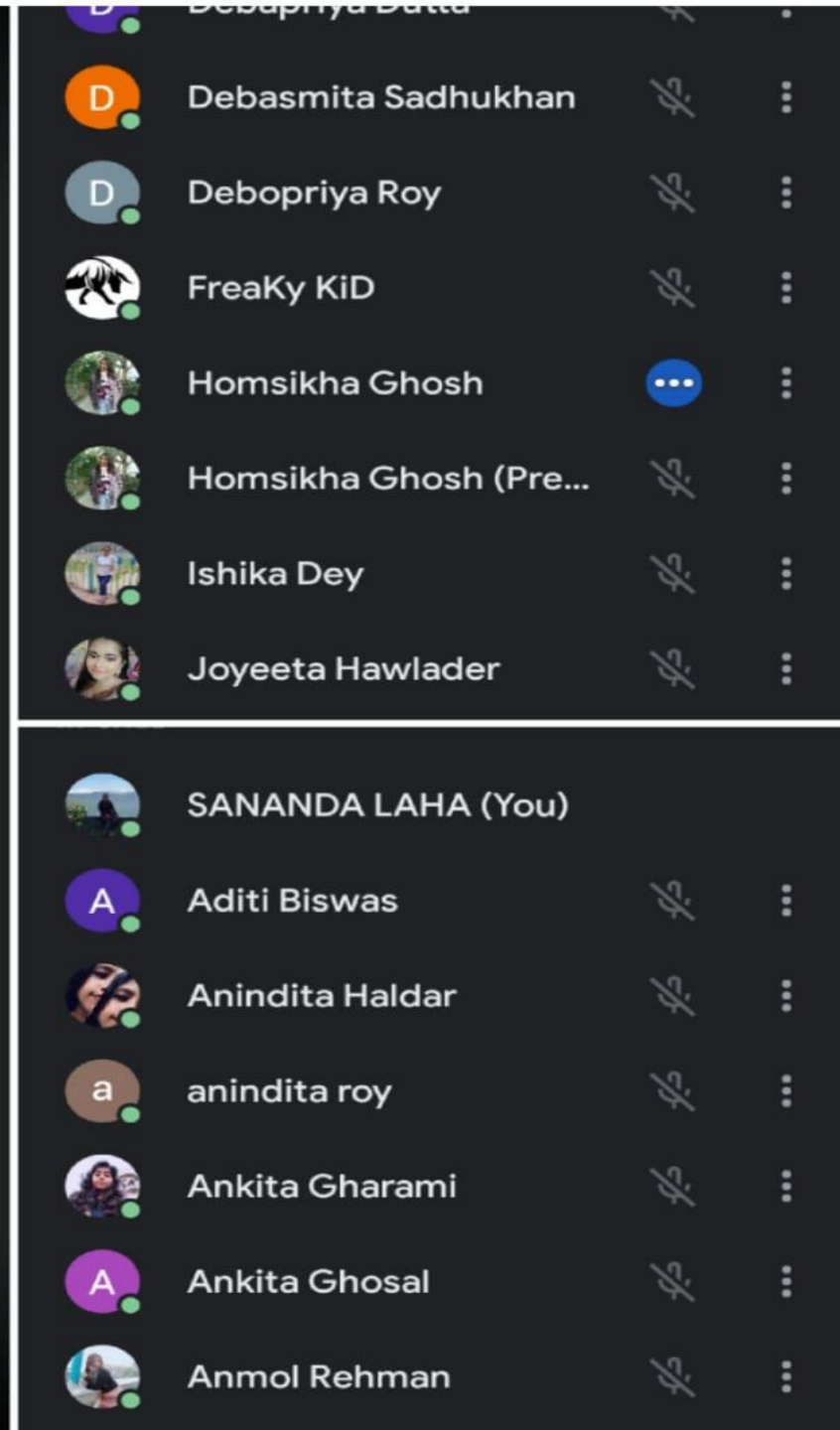
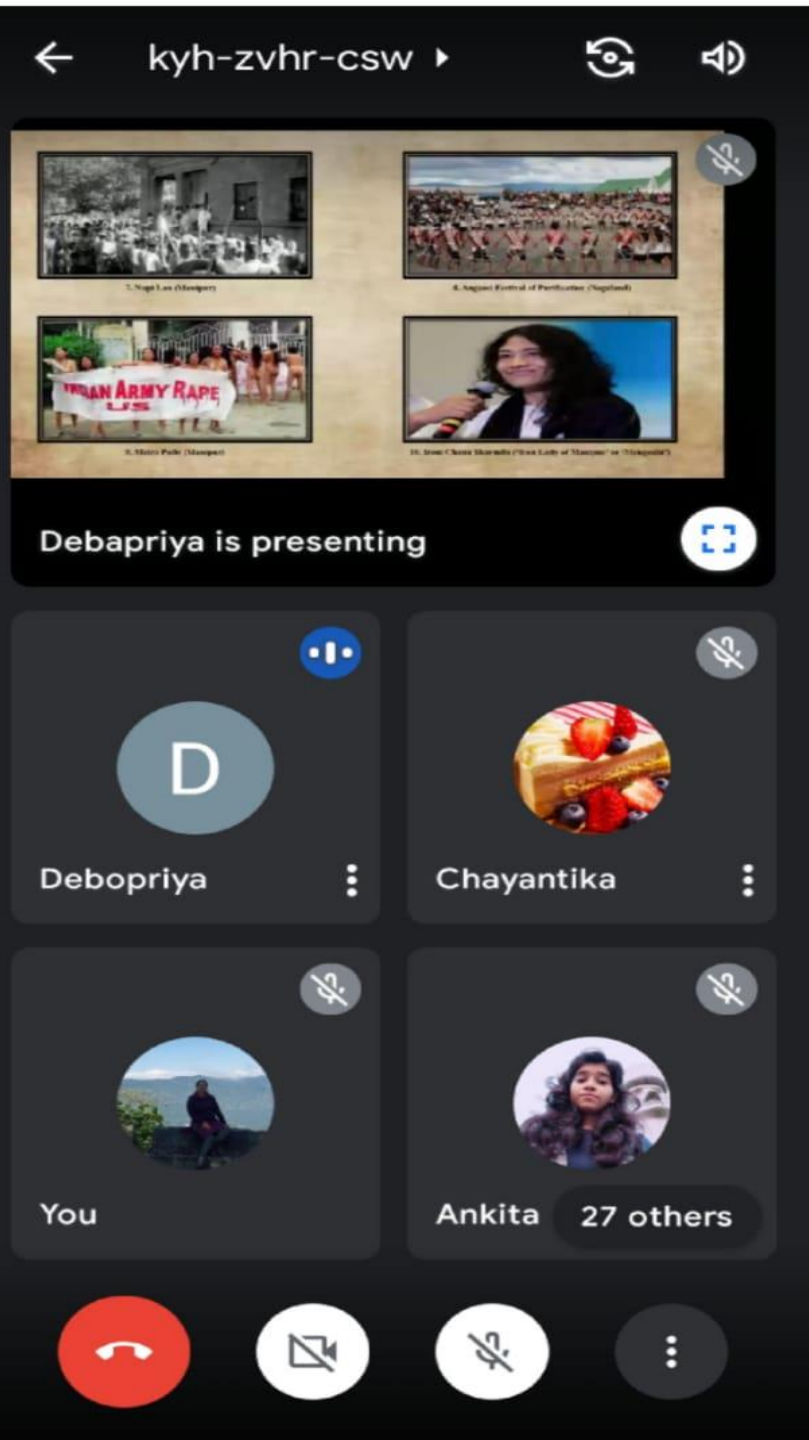
**PARTITION LITERATURE
(INDIA-PAKISTAN PARTITION)**

NAME: CHITRANIVA KAYAL
SEMESTER: 6TH
DATE OF PRESENTATION: 15th JULY, 2021
COLLEGE ROLL: 77
VICTORIA INSTITUTION(COLLEGE)

Susmita, Debolina, ankita, shreya, Dishanee, Pushpita, RITU, Antara, Arijita, Riniya, You, Pragna, Saleha, Moumita, Sar 13 others

Students' Talk on Partition Literature (Sem 6)
 Under the guidance of Dr. Madhumita Basu, the students of Sem 6 ENGA gave a wonderful and mature presentation on Partition Literature (DSE A3) using PPT.

Number of Participants – 27
 Date- 15.07.2021



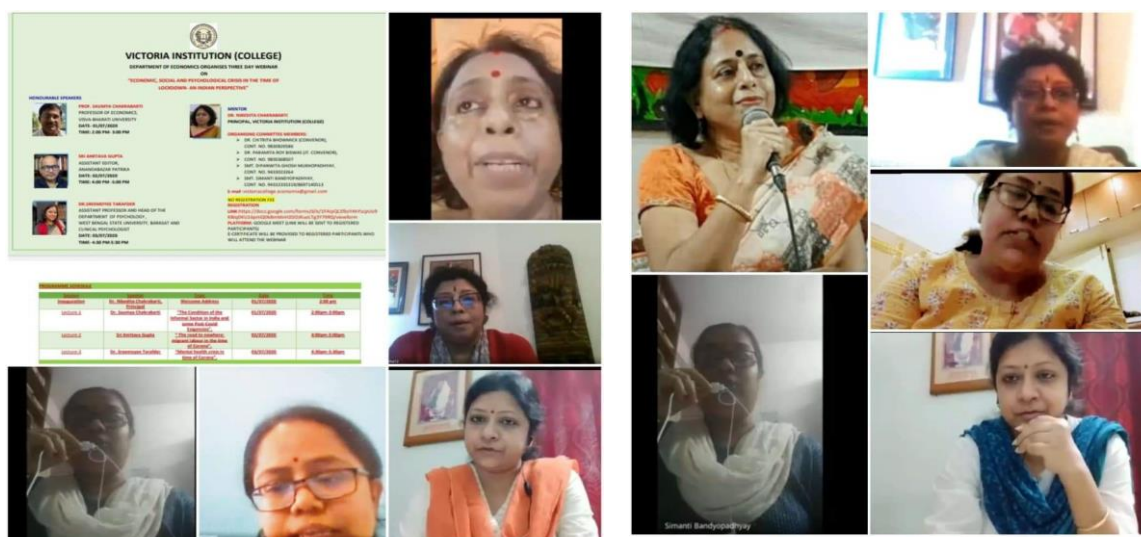
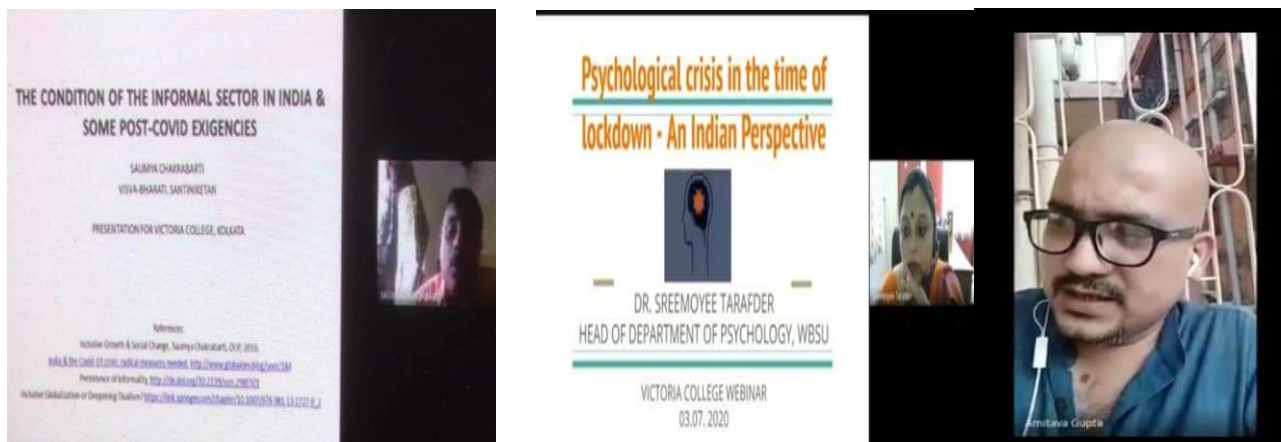
Students Talk on Women's Writing (Sem 5)

Under the guidance of Smt. Sananda Laha, the students of Sem 5 ENGA, participated in a talk cum presentation on the topic of Women's Writing (from CC11) where they tried to examine different aspects of Women's Writing by deliberating on different texts and authors other than the one prescribed in their syllabus. It was a group presentation, where all the students contributed in their own way.

Number of participants – 32
Date – 25.10.2021

Note: All the above mentioned activities were conducted internally by the Department, from areas pertaining to the syllabus of the respective semesters, with a view to engage the students in substantial activities that will in turn enrich their understanding of the topic and extend the horizon of their knowledge. The online mode though initially a hindrance, turned out to be helpful in a way as the students acquired some technical knowledge while preparing for their Online PowerPoint presentation.

Report of three days Webinar Organised by the Department of Economics, Victoria Institution (College), 1st July to 3rd July



The Department of Economics, Victoria Institution (College) organised three days Webinar on 'ECONOMIC, SOCIAL AND PSYCHOLOGICAL CRISIS IN THE TIME OF LOCKDOWN-AN INDIAN PERSPECTIVE'. The objective was to have an intellectual discussion on the pandemic and its effect on the Economy and the Society. It was a learning experience for both the students and the faculty of VIC as well as other participating institutions..

Report on “Post Covid Pandemic Impact on India and The World” organised by Department of Economics, Victoria Institution (College) on July 9, 2021

AN EXTENSION LECTURE ON "POST COVID PANDEMIC IMPACT ON INDIA AND THE WORLD"
 DATE: 09/07/2021 TIME: 10:00 AM ONWARDS
 ORGANISED BY VICTORIA INSTITUTION (COLLEGE), DEPARTMENT OF ECONOMICS
 PLATFORM : Google meet

SPEAKER: DR. RAJIB BHATTACHARYYA, ASSOCIATE PROFESSOR, IN THE DEPARTMENT OF ECONOMICS, GOENKA COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION
MENTOR: DR. NIBEDITA CHAKRABARTI, PRINCIPAL, VICTORIA INSTITUTION (COLLEGE)

RB Sir

STRUCTURE OF THE PR
 Covid-19 Pandemic - Perspective - F
 Economic and Social Impact.
 Macroeconomic Impact-
 a. Effect on Real GDP (Global and I
 b. COVID- 19 Stringency Index.
 c. Forecast of Inflation.
 d. Impact on the Labour Market. (I
 e. Impact on Trade (WTO, UNCTAD, Ma
 f. Impact on Education - Traditional
 g. "Atmanirbhar" Bharat Package.
 Revival Policy.

BIGGEST CHALLENGE
 LIFE
 LIVELIHOOD
 LOVE

Simanti Bandyopadhyay 13 mins
 Do you think that policy of one nation one ration card will help in solving the problem of migrant workers in future?

Dipanwita12@gmail.com Dipanwita12 6 mins
 Does the role of state claim more importance than it has been conceived during post reforms period?

Speaker was Dr. Rajib Bhattacharyya, Associate Professor, Dept of Economics, Goenka College of Commerce and Business Administration. The deliberation was very informative and our students were enriched by the lecture. The faculty members enjoyed the interactive session as well.



Lecture for Celebration
Of
Indian Philosopher's Day
Department of Philosophy
Victoria Institution (College)
Affiliated to University of Calcutta
Re-accredited by NAAC (2nd cycle) B+



Sponsored by ICPR (Govt. of India)

Organizes

a series of lectures on

"Morality and values embedded in Indian Culture"

Online Platforms of Lecture series:

Google meet with live streaming on YouTube

Date: 16.07.21

Time: 4:00 pm to 6:30pm

Date: 17.07.21

Time: 4:00 pm to 6:30pm

About the Lecture: The organizing committee cordially invites you to commemorate the Indian Philosopher's Day, 2021, with the National level Online Lecture series on "Morality and Values embedded in Indian Culture", scheduled to be held on the 16th and 17th of July, 2021, sponsored by ICPR. Mankind is passing through a grave situation. The aim of the conference is to gain moral insight regarding the adversities facing humanity from the prudent scholars and mentors.

- No Registration Fees.
- Registration Link:
<https://forms.gle/r9AAN44S3i5o769bA>
Last date of registration 15.07.21.
- YouTube Link:
Day-1: <https://youtu.be/zQNmVrvfbRY>
Day-2: <https://youtu.be/Y2Z6Mo-01cM>
- E-Certificate will be provided only after filling up Feedback Link after Program.
- It is Necessary to fill up the Feedback Link for e-Certificate.

Chief Patron:



Dr. Nibedita Chakrabarti
Principal
Victoria Institution (College)

Day 1
(16.07.21)

Resource Person:



Prof. D.N. Tiwari
Former HOD, Dept. of Philosophy and religion,
Banaras Hindu University

Title of Presentation: "Morality and Values embedded in Indian culture"

Day 2
(17.07.21)

Resource Person:



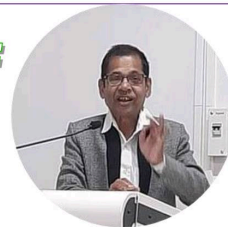
Prof. Raghunath Ghosh
Senior Fellow, ICPR,
New Delhi

Title of Presentation:

Resource Person:

Prof. Bala Ganapathi Devarakonda
HOD, Dept. of Philosophy,
Delhi University

Title of Presentation:: "Ethics, Health and Pandemic"

Resource Person:

Prof. Sarat Panigrahi
Former Prof. and HOD,
P.G. Dept. of Philosophy,
Utkal University, Bhubaneswar

Title of Presentation::

Resource Person:

Dr. Laxmikanta Padhi
HOD, Dept. of Philosophy,
University of North Bengal

Title of Presentation:: "What Makes a Human Being Valuable?"

Resource Person:

Dr. Pralayankar Bhattacharyya
Associate Professor,
Dept. of Philosophy,
University of Calcutta

Title of Presentation::

Convenor:

Dr. Saheli Basu Dey
Associate Professor,
Dept. of Philosophy

Joint-Convenor:

Smt. Mina Chakraborty
Associate Prof. , HOD,
Dept. of Philosophy

:Program Schedule:

- **Welcome Address by Smt. Mina Chakraborti.**
16th July, 4:00 pm.
- **Inaugural Address by Hon'ble Principal, Victoria Institution (College).** 16th July, 4:05pm.
- **Introductory Speech by Dr. Kasturi Majumdar.**
17th July, 4:00 pm.

Technical session

Day	Time	Speaker
Day 1 (16.07.21)	4:15 pm -5:00 pm	Prof. D.N. Tiwari
	5:00 pm -5:45 pm	Prof. Bala Ganapathi Devarakonda
	5:45 pm -6:25 pm	Dr. Laxmikanta Padhi
Day 2 (17.07.21)	4:15 pm -5:00 pm	Prof. Raghunath Ghosh
	5:00 pm -5:45 pm	Prof. Sarat Panigrahi
	5:45 pm -6:25 pm	Dr. Pralayankar Bhattacharyya

- **Concluding remarks for the day by Smt. Indrani Mukherjee.** 16th July, 6:25 pm.
- **Vote of thanks by Dr. Saheli Basu Dey, Convener of the Program.** 17th July, 6:25pm.

Organizing Committee:

- **Dr. Kasturi Majumder**
Associate Professor,
Dept. of Philosophy
- **Smt. Aditi Mistri**
Asst. Professor,
Dept. of Philosophy
- **Smt. Indrani Mukherjee**
Asst. Professor,
Dept. of Philosophy
- **Sri Arindam Malakar**
SACT,
Dept. of Philosophy

For any information:

E-mail id:
vicphilo1932@gmail.com
Contact:
8584083455/9830148380

REPORT: WEBINAR (NATIONAL LEVEL)

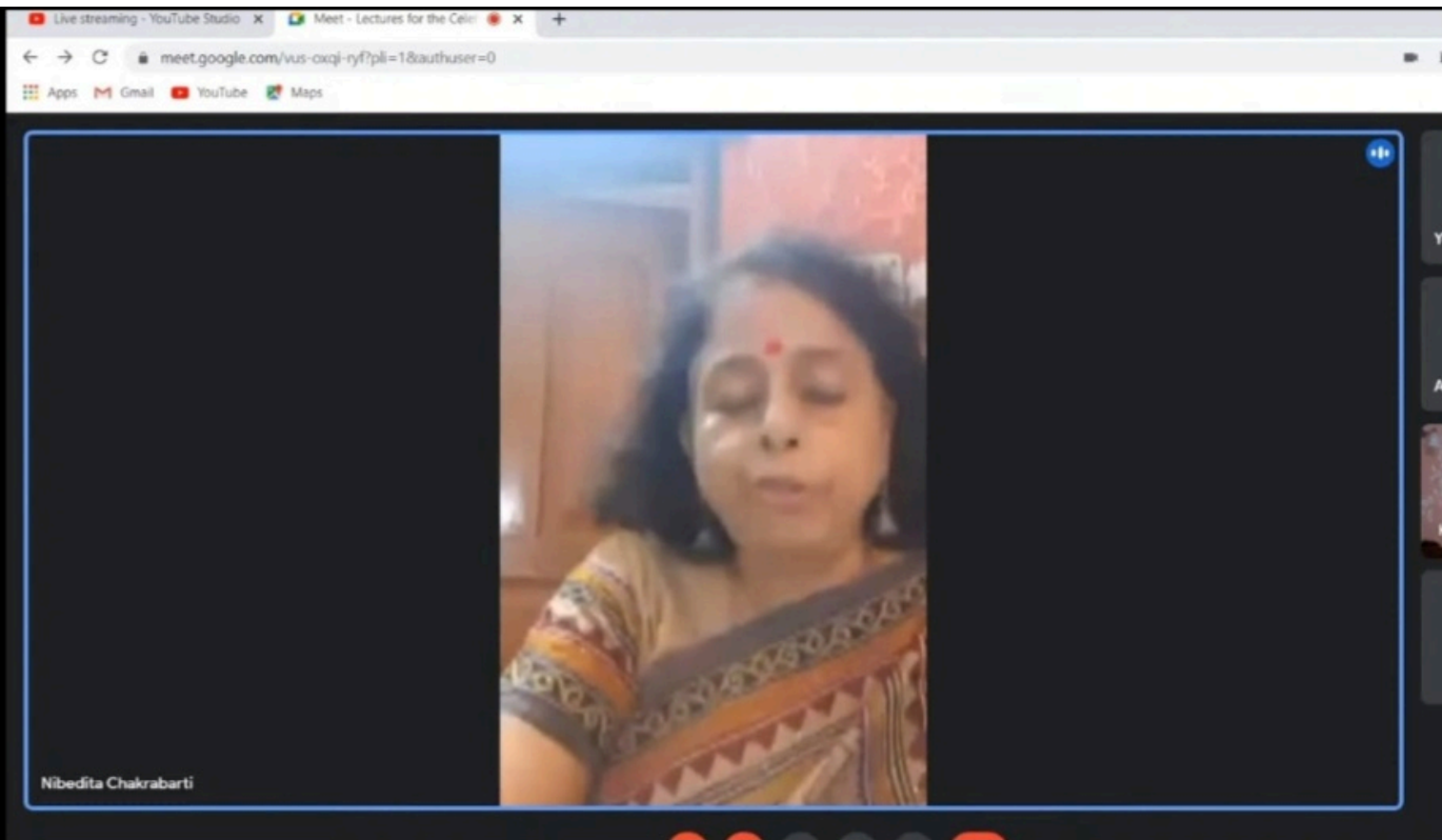
An Online series of lectures on “Morality and Values embedded in Indian Culture”, was held on 16th and 17th July, 2021, in order to commemorate the Indian Philosopher’s Day. The Webinar was sponsored by ICPR.

THE Lecture series was held during the grave hour of pandemic. The aim of the Conference was to gain moral insight regarding the adversities facing humanity from the prudent scholars and mentors.

The resource persons were from every corner of our Nation. The list is as follows:

- Professor D.N Tiwari, Former HOD, Department of Philosophy and Religion, Banaras Hindu University
- Professor Bala Gasnapathi Devarakonda, HOD, Department of Philosophy, Delhi university
- Dr. Laxmikant Padhi, HOD, Department of Philosophy, University of North Bengal
- Professor Raghunath Ghosh, Senior Fellow, ICPR, New Delhi
- Professor Sarat Panigrahi, Former Professor and HOD, PG Department of Philosophy, Utkal University, Bhubaneswar
- Dr. Pralayankar Bhattacharyya, Associate Ptofessor, Department of Philosophy, University of Calcutta

Inaugural address was given by Hon’ble Principal Dr. Nibedita Chakrabarti. It was a truly contemplative and reflective session. Our experience was very much encouraging and hence we are motivated to arrange such programmes in future.












ONE DAY INTERNATIONAL WEBINAR

On

RECENT ADVANCEMENT IN CANCER RESEARCH

Organized by Department of Botany and ISCA Unit

Of

Victoria Institution (College)

78B, A.P.C. ROAD, KOLKATA-700009

In Collaboration With

INDIAN SCIENCE CONGRESS ASSOCIATION, KOLKATA CHAPTER

To Celebrate

GOLDEN JUBILEE YEAR OF DEPARTMENT OF SCIENCE AND TECHNOLOGY, INDIA 2020 -2021

12TH SEPTEMBER, 2020 | SATURDAY | 6:00-8:30PM (IST)

THIS WEBINAR IS OPEN TO ALL THE FACULTY MEMBERS AND STUDENTS

REGISTRATION

Please Click The Link Below
<https://forms.gle/ZtynRebV4GR36kcP6>

Or Scan The QR Code



EVENT PLATFORM

Google Meet



RESOURCE PERSONS



Dr. ANIMESH DHAR
Associate Professor (Retd.)
Department of Cancer Biology,
University of Kansas Medical Center,
Kansas, USA.



Prof. SHRIKANT ANANT
Professor and Chair
Department of Cancer Biology,
Associate Director, Basic Science,
University of Kansas Medical Center,
Kansas, USA.

WELCOME ADDRESS



Dr. NIBEDITA CHAKRABARTI
Principal,
Victoria Institution (College),
Kolkata.

INAUGURAL ADDRESS



Dr. VHAAY LAXMI SAXENA
General President, ISCA.

INTRODUCTORY REMARKS



Dr. MANOJ KR. CHAKRABARTI
Convener,
ISCA Kolkata Chapter
and Formerly General
President, ISCA.

SOME USEFUL INFORMATION

- ❖ Registration is Free But Mandatory.
- ❖ Registration Is To Be Done By 09/09/2020, 7pm, Through The Link Provided.
- ❖ Google Meet Meeting ID Will Be Sent To First 85 Registered Participants To Participant's e-mail ID.
- ❖ Every Registered Participants Will Get e-certificate Through e-mail, Upon Submission of Feedback Form And After The Webinar.

CONVENER



Smt. SHARMISTHA BASU
HOD, DEPT. OF BOTANY

+91 98316 76111

CONVENER



Dr. DEBJANI DAS (GHOSH)
ISCA UNIT VIC

+91 98312 17631

JOINT CONVENER



Dr. SUDIP KUMAR SINHA
ASST. PROE., DEPT. OF BOTANY

+91 81201 52993


FOR ANY FURTHER QUERY, PLEASE FEEL FREE TO MAIL AT:
webinarvic@gmail.com



WEBINAR REPORT

12/09/2020

VICTORIA INSTITUTION (COLLEGE) 78B,A.P.C. ROAD,
KOLKATA-700009, WESTBENGAL.



The Department of Botany and Indian Science Congress Association, VIC Unit of Victoria institution (College) kolkata, jointly organised one international Webinar in collaboration with Indian Science Congress Association , Kolkata Chapter on “RECENT ADVANCEMENT IN CANCER RESEARCH” to celebrate the Golden Jubilee year of Department of Science and Technology, India, 2020-2021

The main objective of this webinar was to highlight and make people aware of the recent research trends in cancer research across the globe. The programme was conducted on Google meet with YouTube live streaming. About 115 participants registered for this webinar and about 65 participants logged in to Google meet and about 15 participants watched the YouTube live streaming.

The resource persons for the Webinar were Dr. Animesh Dhar, Scientific Advisor Genzada Pharmaceuticals Hutchinson, Kansas & Associate Professor, Retired Emeritus Cancer Biology University of Kansas Medical Center Kansas City, Kansas and Dr. Shrikant Anant, Kansas Mason Professor and Chair Department of Cancer Biology School of Medicine

Participants from all over India and abroad across various institutions attended the webinar viz. Sri Sathya Sai Institute of higher learning Anantapur Campus, N.K.R. Govt. Arts College for Women Namakkal, Chennai, National Arts and Science College, Sri Satya Sai University of Technology and Medical Sciences, NSHM College, Durgapur, University of Hongkong and many more.

The programme was hosted by Smt Sharmistha Basu, H.O.D, Department of Botany and Converner, Victoria institution (College). The programme commenced at 6:00P.M.(IST) with a welcome address from Dr. Nibedita Chakrabarti, Principal Victoria Institution (College), Kolkata. She addressed the participants and described the institutional role in convening such Programmes on a regular basis for the academic enrichment of the students and faculty members. The inaugural speech was delivered by Dr.(Mrs.) Vijay Laxmi Saxena, General President ISCA. She elaborated on the theme of Webinar and its significance in the present situation besides highlighting the recent research trends in cancer research all over the world. Dr. Manoj Kumar Chakrabarti ,Convener ISCA, Kolkata chapter and Past General President, ISCA, gave the introductory remarks and addressed the participants with his inspirational words. Dr. Chakrabarti talked about the pivotal role of the Department of Science and Technology as a nodal department for organising, coordinating and promoting Science and technology activities in the country. He also briefed the importance of such webinars on cancer research during COVID-19 situation and elaborated the role of ISCA in encouraging scientific research which is particularly directed towards the benefit of man and society.

Smt. Sharmistha Basu, Convener, Victoria Institution (college), introduced the respected speakers. The first resource person, Dr. Animesh Dhar discussed Cancer Chemoprevention and he concentrated on treatment and prevention of Pancreatic cancer. Dr. Dhar highlighted the

importance of understanding the risk for cancer and emphasised that “Prevention is better than cure”.

Cancer Chemoprevention: Yin and Yang

Animesh Dhar Ph.D.
Scientific Advisor
Genzada Pharmaceuticals
Hutchinson, Kansas
USA
&
Associate Professor (Retired Emeritus)
Cancer Biology
University of Kansas Medical Center
Kansas City, Kansas
USA

Chemo-preventive Dietary Components Targeting CSCs

Curcumin	Turmeric	Resveratrol	Red Grapes
EGCG	Green Tea	Genistein	Soy
Sulforaphane	Broccoli	Vitamin D3	Milk, Egg, Cheese Fish
Tomato	Lycopene	Crocin	Saffron
	Crocinic acid		

COVID 19 and Cancer

Chemotherapy can weaken the immune system and may increase the risk for severe illness from COVID-19.

Other risk factors may also increase the risk for severe illness from COVID-19, including: asthma, lung, heart, liver, or kidney disease.

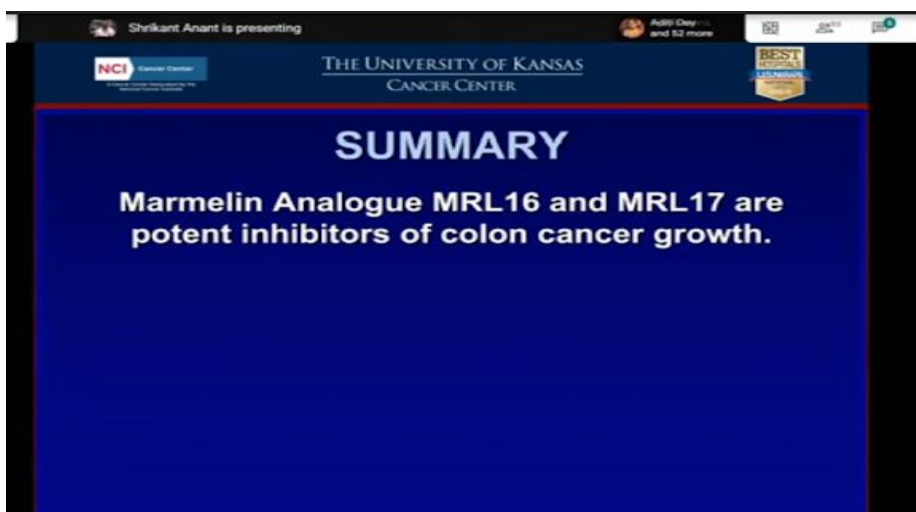
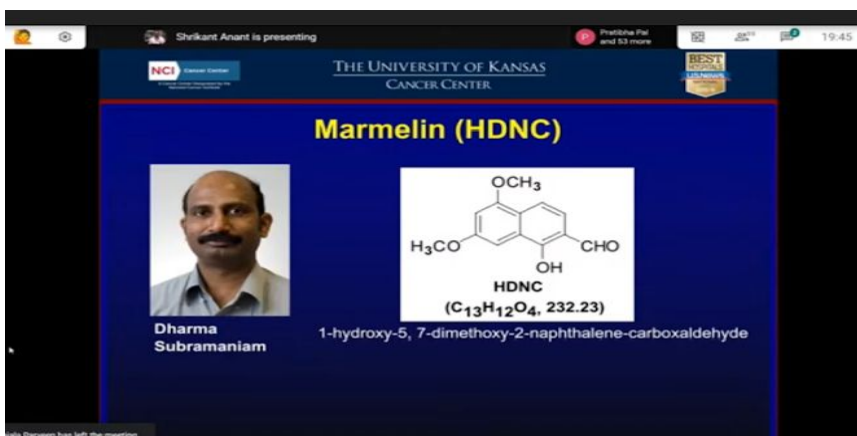
The reason is COVID 19 virus spike protein can bind to ACE (angiotensin converting enzyme) receptor of the cells particularly in lung cells that can be overexpressed due to those disease conditions particularly in cancer due to treatments of chemotherapeutic drugs. That can cause virus to enter inside the cells very quickly for co-morbidity of those patients.

Preventive measure of those cancer patients are important for survival in COVID 19 pandemic.

Dr Dhar shed light on the importance of Precision/Personalised medicine using Patient derived tumor Xenografts (PDX) that proposes the customization of health care. Dr. Dhar and his team are successful in developing Crocetin from Saffron which has significant effects on inhibiting pancreatic tumorigenesis. Dr. Animesh Dhar concluded his talk by stating the comorbidity of

cancer and COVID-19 and said that preventive measures of cancer patients are important for survival in COVID-19 Pandemic situation.

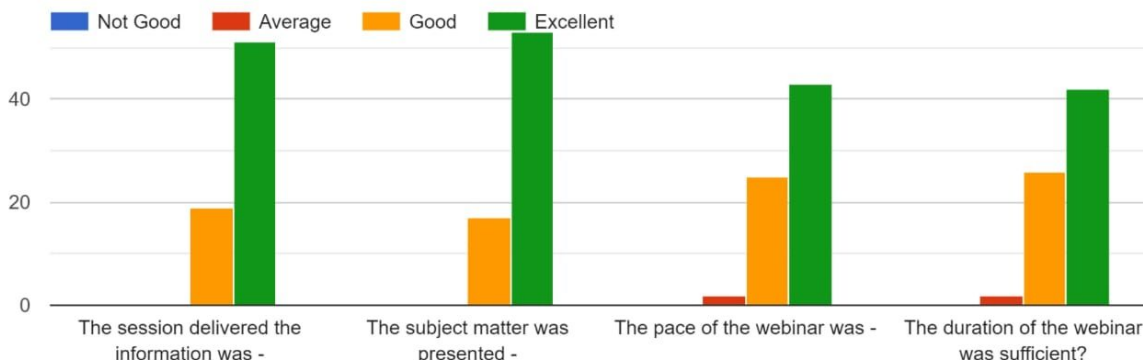
The next speaker was Dr. Shrikant Anant. He talked about developing novel therapeutics from natural compounds in treating and preventing colon cancer. Dr. Anant talked about DCLK1 protein in the intestine which is responsible for tumorigenesis. He highlighted the importance of ancient knowledge of medicinal plants mentioned in Ayurveda, siddha, unani etc. Dr. Anant discussed about his many works on different types of compounds derived from various medicinal plants like Curcumin from *Curcuma longa*, Honokiol from *Magnolia grandiflora*, Charantin from *Momordica charantia*, Marmelin from *Aegle marmelos* and many more. Dr. Anant talked about the fantastic role of Marmelin as a scaffold for developing new drugs in colon cancer therapy and/or prevention and concluded his talk by highlighting the role of Marmelin analogues MRL16 and MRL17 as a potent therapeutic agent for colon cancer.



After the technical sessions were over, Dr sudip Kumar Sinha, faculty Department of Botany and Joint convener conducted the interactive session during which the participants were given opportunity to clarify their doubts and queries during the last 30 minutes. Both the resource persons responded to the queries upto the satisfaction of the participants.

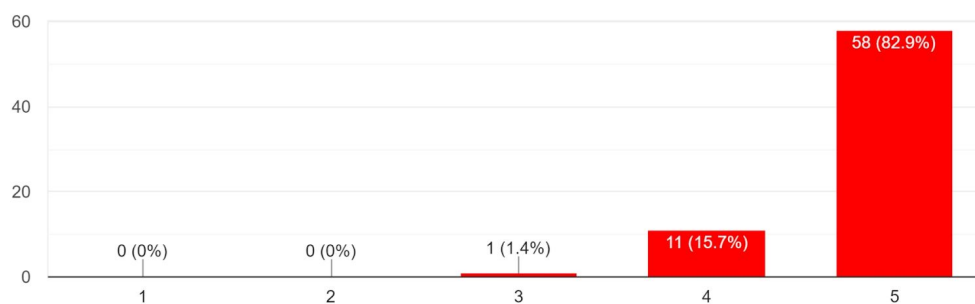
The concluding remarks and vote of thanks was presented by Dr. Debjani (Das) Ghosh, H.O.D. Department of Zoology and convener, ISCA VIC unit. Feedback using Google form was also sorted immediately after the event. The analysis of the responses received from the participants revealed --- 82.9% participants rated the event in higher category in overall rating and majority of the participants rated the “informations delivered” in the session and the” subject matter presented” as “Excellent” .

Please rate your satisfaction with content of the webinar by indicating your level of agreement or disagreement with each of the following statement



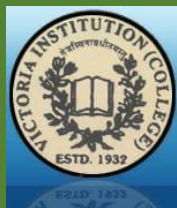
How satisfied were you with the event?

70 responses



The convener, Department of Botany Victoria Institution (College), at the end expressed gratitude to all the members of ISCA, all the participants, speakers and the organising team for this programme.

E-certificates were also mailed to the participants who attended and responded to the feedback form. Overall the webinar got an overwhelming response.



Web Based Workshop on
Teaching Physics at the UG & PG Level using Python

Organized by

Department of Physics, Victoria Institution (College),

78 B, A P C Road, Kolkata-700009

In collaboration with

UGC-DAE Consortium for Scientific Research, Kolkata Centre

Sector III, LB-8, Bidhannagar, Kolkata 700 106

July 6th – 10th 2020



20

Learning Physics through Python.

UGC-DAE Consortium for Scientific Research, Kolkata Centre, is in the process of developing a range of innovative, low cost teaching tools based on the routinely available resources for the undergraduates. These tools are expected to be illustrative and contribute in their understanding of the basics of the subject, apart from rejuvenating the fun factor in the learning process. And all this with an accompanying rigor on the extracted numbers ! The Kolkata Centre of the Consortium, has been hosting and supporting such innovative endeavors for College and University community across the country.

The Python Language has emerged as an efficient tool in the practice of science teaching at different levels. The solution to problems along with visual representations of the same is believed to effectively articulate the associated methodologies and has been an impetus to the widespread usage of this tool. In this light, the Victoria Institution (College), Kolkata, in collaboration with the UGC-DAE CSR, Kolkata Centre, intends to host a workshop on Python, on a digital platform, during July 6th - 10th 2020. The E-Workshop will focus on the application of Python, to complement the conventional classroom teaching at the UG & PG level, particularly in the context of the topics such as Mathematical Methods, Statistical Physics and Quantum Mechanics, along with others, that are typically covered in the Physics curriculum at the UG / PG level. The workshop is envisaged to provide a brief introduction to Python, starting from its installation and followed by specific applications of this tool in solving problems that are routinely encountered in the teaching of the subject. It is envisaged to have two lectures (around 45 minutes duration) per day.

The target audience primarily would be a group of selected faculty members / students, from colleges and the objective would be to create a sustained culture for such innovative teaching methodology.

The participation to this workshop is by nomination. The Head of the Department / Institution may recommend the names of few faculty members / students from UG / PG section (previous & final year) for the purpose. An order of preference may please be indicated against the names of the recommended participants. Owing to very limited resources, we are apologetic that it might not be possible to honour all the recommendations. Kindly include the contact details (mobile & email) of the recommended participants in the communication.

The recommendations may please be sent (electronically) at the earliest (on or before July 1st 2020) to, Dr, Subhendu Chandra, Convenor. The exact platform for hosting the lectures and the resources along with other details shall be eventually communicated to the registered participants.

Dr. Sandeep S Ghugre

(Convenor)

UGC-DAE CSR, KC

Email : ssg@alpha.iuc.res.in

Mobile No: +91-9831037171

Dr. Subhendu Chandra

(Convenor)

Victoria Institution (College)

Email: subhendu170975@gmail.com

Mobile No: +91- 9433288395

Dr. Shinjinee Das Gupta

(Co-Convenor)

Victoria Institution (College)

Email : shinjinee14@gmail.com

Mobile No: +91-9433136758

Patrons

Dr. Nibedita Chakrabarti, Principal, Victoria Institution (College)

Dr. A K Sinha, Director, UGC DAE CSR, Indore

Dr. Abhijit Saha, Centre Director, UGC DAE CSR, Kolkata Centre

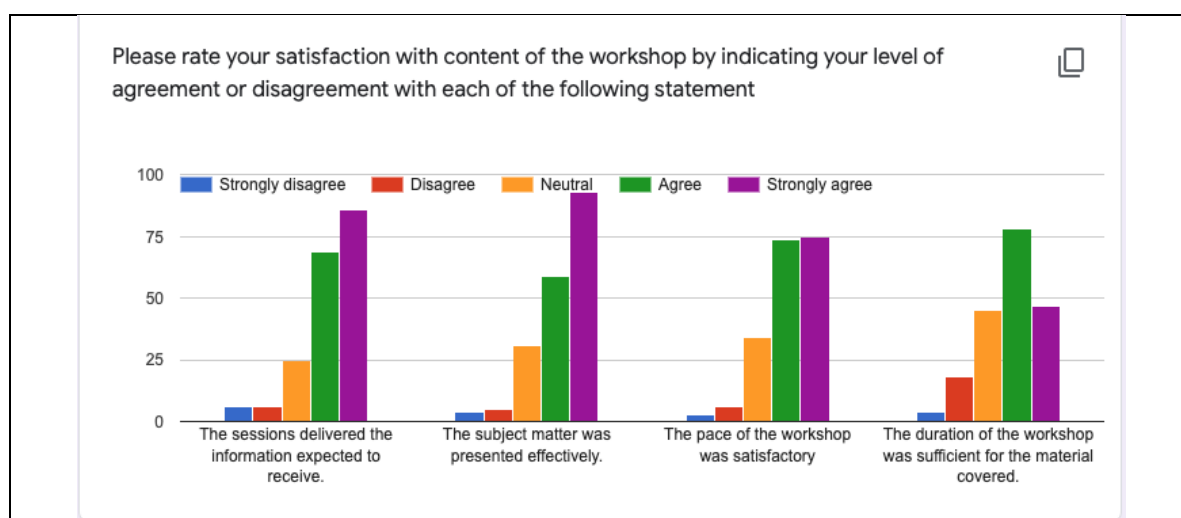
Web Based Workshop on
Teaching Physics at the UG & PG Level using Python
Organized by
Department of Physics, Victoria Institution (College),
In collaboration with
UGC-DAE Consortium for Scientific Research, Kolkata Centre
July 6th – 10th 2020

The Python Language has emerged as an efficient tool in the practice of science teaching at different levels. The solution to problems along with visual representations of the same is believed to effectively articulate the associated methodologies and has been an impetus to the widespread usage of this tool. In this light, the Victoria Institution (College), Kolkata, in collaboration with the UGC-DAE CSR, Kolkata Centre, organized a workshop on Python, on a digital platform, during July 6th - 10th 2020. The E-Workshop highlighted the application of Python, to complement the conventional classroom teaching at the UG & PG level, particularly in the context of the topics such as Mathematical Methods, Statistical Physics and Quantum Mechanics, along with others, that are typically covered in the Physics curriculum at the UG / PG level.

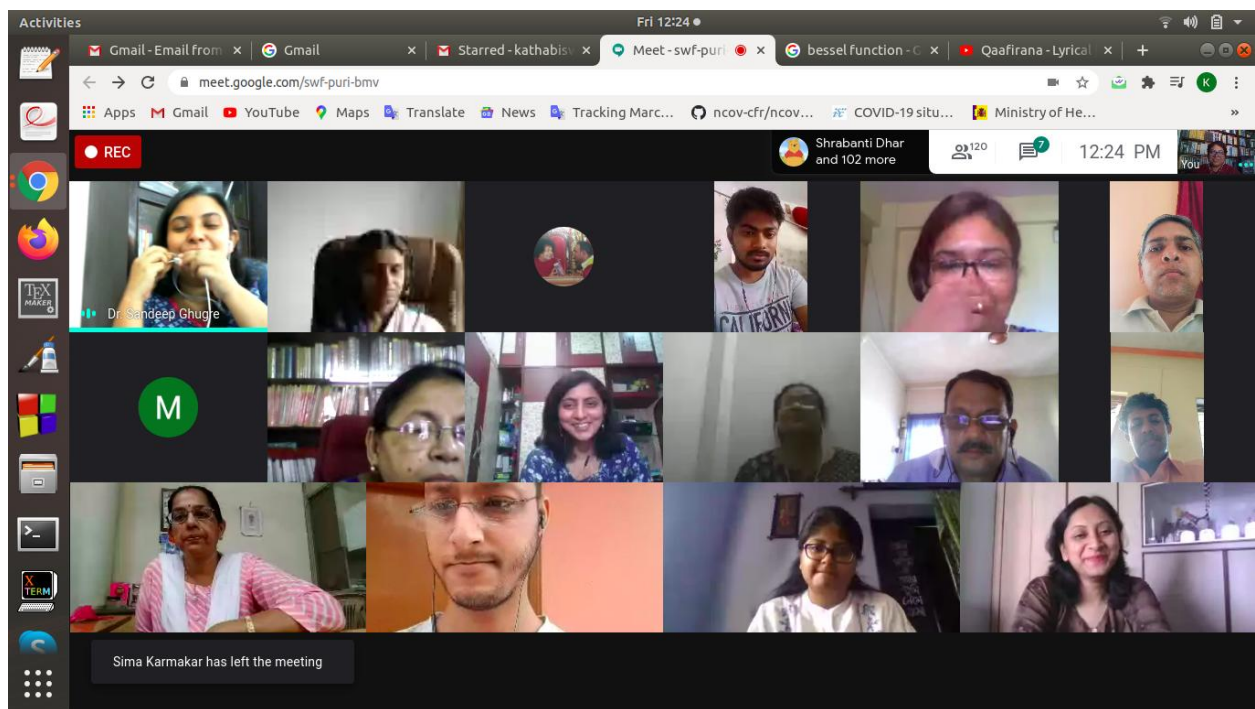
The workshop was attended by about 180 participants, comprising of both students as well as faculty members, from regions across the country (Maharashtra, Gujrat, Assam, Telangana, Andhra Pradesh, Tamil Nadu, Kerela, Madhya Pradesh and West Bengal). The inaugural session was addressed by the following dignitaries, Dr. Nibedita Chakrabarti, Principal, Victoria Institution (College), Kolkata, Dr. A K Sinha, Director, UGC DAE CSR, Indore and Dr. Abhijit Saha, Centre Director, UGC DAE CSR, Kolkata Centre. Amitava Raychaudhuri, Professor Emeritus, University of Calcutta, delivered the key note address, which highlighted the relevance of numerical computations in various branches of Physics, and its evolution since it's inception.

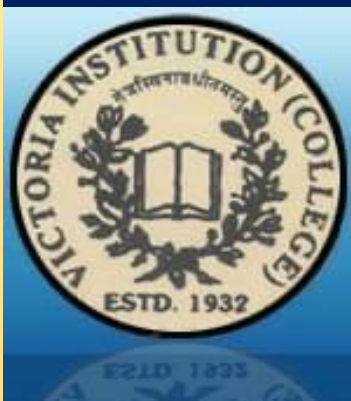
The workshop was preceded with a pre-workshop session on 4th July 2020, wherein support was extended to the participants to get Python installed on their respective systems. Besides ensuring that majority of participants had a working Python toolkit on their systems, this efforts to a large extent helped identify and address the technical issues with this novel digital platform, which resulted in a glitch free running of the entire workshop. The workshop was conducted daily in to two sessions of about an hour each, which were complimented by discussions on the digital platform, to address the queries and concerns of the participants. First two sessions were primarily devoted towards a whirlwind introduction of Python to the participants. The subsequent sessions were centered around the applications of Python especially problem solving methods in the domain of Mathematical Method, Statistical Physics and Quantum Mechanics. The presentations were complimented with lecture notes as well as the codes, which were shared with all the participants, an unique feature, of this workshop, which was based on the spirit of Open Source philosophy. The concluding session was conducted by Dr. Pratibha Pal.

The resource personnel for this workshop were Dr. S S Ghugre, UGC DAE CSR, KC and Ms Kathakali Biswas, Victoria Institution (College). Dr. Subhendu Chandra, Dr. Shinjinee Das Gupta and Dr. G Pal, provided the crucial support for this endeavor. Following the efforts of our colleagues from Victoria College, the summary of the various user feedback could be collated almost instantaneously, and a representative report is illustrated below:



Department of Physics, Victoria Institution (College) and the Nuclear Physics Group of UGC DAE CSR were involved in the organization of this workshop, besides participating in the same.





Two-Day International Webinar

On

Recent Trends in Condensed Matter and Particle Physics

Organized by

The Department of Physics

Victoria Institution (College)

78 B, A P C Road, Kolkata-700009

Contact: E-mail:-vicphysics1950@gmail.com, Mob: 9433136758/9433288395
 Registration Link: <https://forms.gle/2XrC9uvUhmAJzWAz5>

Date: 31/07/2020 and 01/08/2020

Time: 5:00 PM to 7:00 PM(IST) on both day

About The Webinar

The Organizing Committee welcomes you all to the Webinar on "Recent Trends in Condensed matter and Particle Physics" scheduled to be held on 31st July & 1st August, 2020. The theme of the conference is highlighting innovations and recent trends in Research in Physics. The COVID- 19 pandemic has made online teaching and learning 'the new normal'. In this situation this webinar will be able to engage and exchange new ideas for self-enrichment.

Resource Persons

• Dr. Niladri Banerjee

Senior Lecturer (Associate Professor)
 Director of Postgraduate Programme in Physics
 Director of Engineering Physics and Physics and
 Mathematics Programme, Loughborough University, UK

Topic: Competition or cooperation? The curious case of superconductivity and ferromagnetism

• Dr. Bipasha Chakraborty

Leverhulme Trust Early Career Fellow
 Department of Applied Mathematics and Theoretical
 Physics, University of Cambridge, United Kingdom

Topic: Elucidating the world of quarks and gluons by simulating the strong force

Organizing Committee

- Dr. Pratibha Pal (Dept. of Physics, VIC)
- Dr. Gayatri Pal (Dept. of Physics, VIC)
- Smt. Kathakali Biswas (Dept. of Physics, VIC)
- Smt. Swarnalekha Bandyopadhyay (Dept. of Physics, VIC)
- Mr. Tapan Poddar (VIC)

Information to the participants

- [Registration will close on 26/07/2020 at 12:00 noon](#)
- E-certificate of participation will be provided

Dr. Subhendu Chandra
 (Convenor)
 HOD, Dept. of Physics
 Victoria Institution (College)

Dr. Shinjinee Das Gupta
 (Convenor)
 Asst. Prof., Dept. of Physics
 Victoria Institution (College)

Dr. Nibedita Chakrabarti
 (Chief Patron)
 Principal
 Victoria Institution (College)

**A brief report on Two-Day International Webinar
On
Recent Trends in Condensed Matter and Particle Physics
Organized by
The Department of Physics
Victoria Institution (College)
78 B, A P C Road, Kolkata-700009
July 31st and August 1st, 2020**

Condensed matter and Particle Physics are the emerging field of studies in the area of recent research throughout the world. The various aspects for the development of both theoretical and experimental studies of Condensed matter and Particle Physics can enhance the prospects of modern area of research. In this context, the Department of Physics, Victoria Institution (College), Kolkata, organized a Two-Day International webinar, on a digital platform, during July 31st July–1st August 2020. The lecture on Condensed Matter Physics highlighted the magnetic properties specially ferromagnetism, superconductivities, superconducting spintronics with spin-orbit coupling etc. while the speaker in her lecture on Particle Physics highlighted the concepts behind Quantum Chromo Dynamics (QCD) and how Lattice Quantum Chromo Dynamics (LQCD) calculations may be performed to extract hadronic properties. She also cited an example from her personal research on the precision test of the Standard Model (SM) using LQCD.

The webinar was attended by about **335** participants, comprising of both students as well as faculty members, from regions across the country. The inaugural session was addressed by **Dr. Nibedita Chakrabarti**, Principal, Victoria Institution (College) highlighting some future prospects in the field of condensed matter and high energy physics.

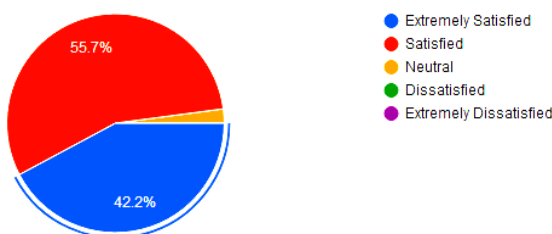
The webinar mainly consists of two sessions. In the 1st session (on 31/07/2020 at 5:00 pm. IST) **Dr. Niladri Banerjee**, *Associate Professor in the Department of Physics at Loughborough University, U.K.* delivered his lecture in the field of Condensed matter physics in a very lucid way about the topic '*Competition or cooperation? The curious case of superconductivity and ferromagnetism.*' In the 2nd session (on 01/08/2020 at 5:00 pm. IST) **Dr. Bipasha Chakraborty**, *Leverhulme Trust Early Career Fellow and an Isaac Newton Trust Fellow in the Department of Applied Mathematics and Theoretical Physics at the University of Cambridge, UK.*, delivered her talk in the field of Particle physics in a very attractive way about the topic '*Elucidating the world of quarks and gluons by simulating the strong force.*' Each of

the sessions was followed by the question answer session conducted by Dr. G. Pal, Dr. S. Das Gupta and Dr. S. Chandra. The convenors of the webinar were Dr. Subhendu Chandra, HOD, Dept. of Physics, VIC and Dr. Shinjinee Das Gupta, Assistant Prof., Dept. of Physics, VIC. Technical support was provided by Smt. Kathakali Biswas, SACT, Dept. of Physics, VIC. Dr. Pratibha Pal and Smt. Swarnalekha Bandyopadhyay, senior teachers in the Dept. of Physics, VIC, provided the crucial support for this endeavor. The concluding session was conducted by Dr. Gayatri Pal, Associate Prof., Dept. of Physics, VIC.

Following the efforts of our colleagues from Victoria Institution (College), the summary of the various user feedback could be collated almost instantaneously, and a representative report is illustrated below:

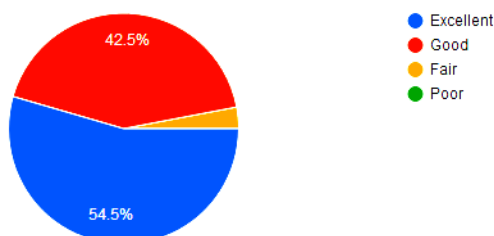
How would you rate the overall webinar experience?

334 responses



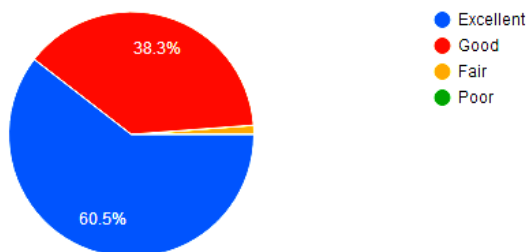
How did the session compare to your expectations?

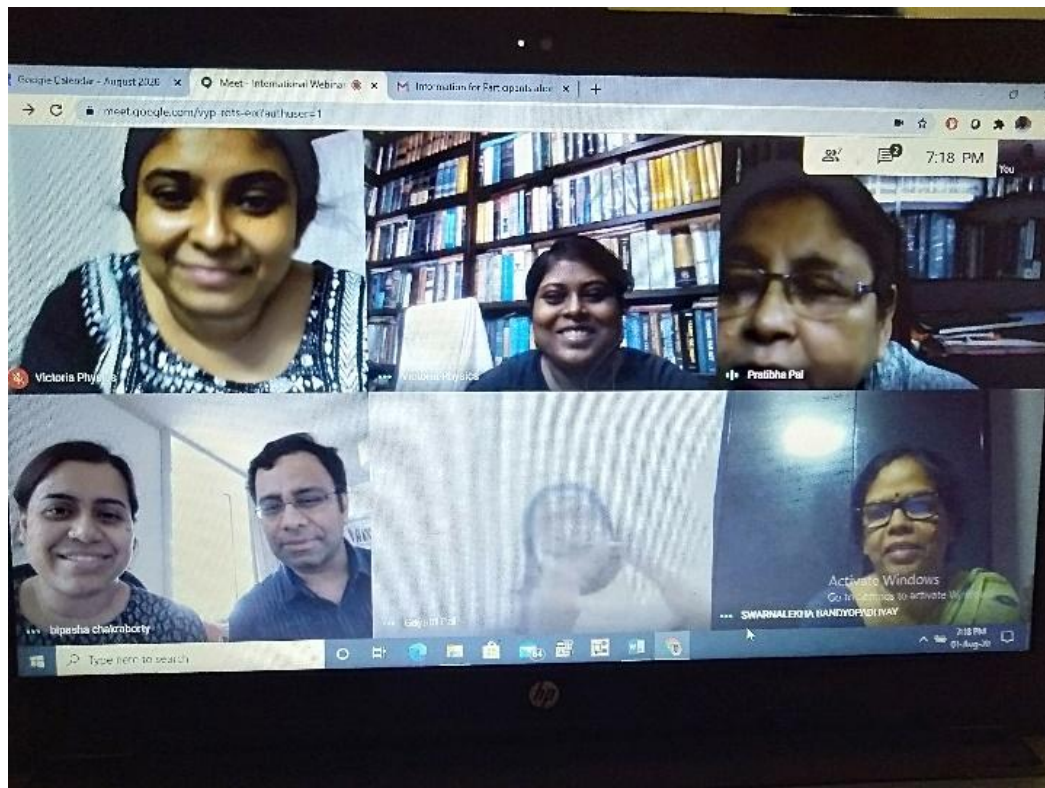
334 responses

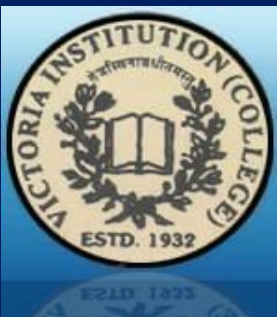


How would you rate the content of the webinar?

334 responses







Two-Day Web Based International Workshop on ARDUINO and other Simulated Experimental Techniques

Organized by

Department of Physics, Victoria Institution (College),

78 B, A P C Road, Kolkata-700009

September 1st – 2nd 2020 (Time: 3-6 pm IST)

About The Workshop

The objective of this Workshop is to give an exposure to the participants about ARDUINO (open source electronic prototyping platform), CIRCUIT MAKER 2000 and Micromagnetism & Object Oriented MicroMagnetic Framework (OOMMF). ARDUINO has been included in our CBCS syllabus while CIRCUIT MAKER 2000 may be used to demonstrate virtually the electronic and electrical experiments. OOMMF is a finite difference programme that is widely used to predict magnetic structures at the submicron scale.

The thrust of the workshop is to introduce experimentation through different virtual platforms. In this pandemic situation where students have not been able to attend regular classes, this mode of demonstration of experiments will be extremely beneficial for them.

The participation to this workshop is by nomination for the students and the faculty members can apply directly. The Head of the Department / Institution may recommend the names of few students for the purpose. An order of preference may please be indicated against the names of the recommended participants. Owing to very limited resources, we are apologetic that it might not be possible to honour all the recommendations. Kindly include the contact details (mobile & email) of the recommended participants in the communication.

The applications/recommendations may be sent at the earliest (on or before **August 27, 2020**) at **vicphysics1950@gmail.com**. Meeting platform will be google meet.

Resource Persons

- Dr. Sandeep S Ghugre**

Scientist, UGC-DAE CSR, KC

Topic: An Introduction to ARDUINO and its applications

- Dr. Niladri Banerjee**

Senior Lecturer (Associate Professor) Loughborough University, UK

Topic: An Introduction to Micromagnetism and Object Oriented MicroMagnetic Framework (OOMMF)

- Dr. Subhendu Chandra**

HOD, Dept. of Physics, Victoria Institution (College)

Topic: CIRCUIT MAKER: demonstration for virtual electronic and electrical experiments

Organizing Committee

- Dr. Pratibha Pal
- Dr. Subhendu Chandra
- Smt. Kathakali Biswas
- Smt. Swarnalekha Bandyopadhyay
- Mr. Tapan Podder

Contact:

9433136758

9433408281

Dr. Gayatri Pal
(Convenor)

Asso. Prof., Dept. of Physics
Victoria Institution (College)

Dr. Shinjinee Das Gupta
(Joint-Convenor)

Asst. Prof., Dept. of Physics
Victoria Institution (College)

Dr. Nibedita Chakrabarti
(Chief Patron)

Principal
Victoria Institution (College)

Web based International Workshop on ARDUINO and other Simulated Experimental Techniques

Organised by the Department of Physics

Victoria Institution (College)

1st and 2nd Sept, 2020

The year 2020 has been a very challenging one. Never before in our lives have we had such unprecedented circumstances. To keep the academic community engaged in the process of teaching and learning, various web based workshops and webinars are being organised by different Institutions. As our contribution to this initiative, we decided to organize this workshop on various simulated experimental techniques in the virtual platform.

The object of this two day workshop was to give an exposure to the participants about ARDUINO which is an open source electronic prototyping platform; Micromagnetism and Object Oriented Micro Magnetic Framework (OOMMF) and CIRCUIT MAKER 2000, a simulation software that can be used for design and fabrication of electrical and electronic circuits

The resource person for the discussion on ARDUINO and its application was Dr. Sandeep Ghugre, Senior Scientist and Head of the Nuclear Physics research group of the UGC –DAE Consortium for Scientific Research, Kolkata Centre. It was an introduction to the micro controller and other hardware required and the corresponding interfacing programs for demonstrating some basic experiments. As ARDUINO has recently been introduced in the UG syllabus this presentation was well appreciated by our student participants and faculty members as well.

Dr. Niladri Banerjee, Senior Lecturer (Associate Professor), Department of Physics, Loughborough University, United Kingdom, gave an Introduction to Micromagnetism and Object Oriented Micro Magnetic Framework (OOMMF), which is a finite difference program widely used to predict magnetism at submicron level. He discussed briefly the relevant theoretical aspects of magnetism in materials and demonstrated how this simulation software can be used. His presentation gave us an interesting insight into the research and simulation done in this field.

Dr. Subhendu Chandra, Head , Department of Physics , Victoria Institution (College) demonstrated the use of CIRCUIT MAKER 2000 for design and fabrication of different virtual electrical , analog and digital electronic circuits included in the theoretical as well as practical syllabi of different Universities. Our students , who were unable to attend classes for the last few months found this mode of demonstration interesting and we hope it will also be beneficial for them.

The workshop was well attended by 153 participants which included UG and PG students, Research Scholars and faculty members from different Colleges, Universities and Institutions throughout India. Dr. Gayatri Pal , Convenor, gave the welcome address. The interactive sessions were conducted by Dr. Gayatri Pal, Dr. Shinjinee Das Gupta and Ms. Kathakali Biswas. Dr. Pratibha Pal conveyed the vote of thanks.

The Organising committee consisted of

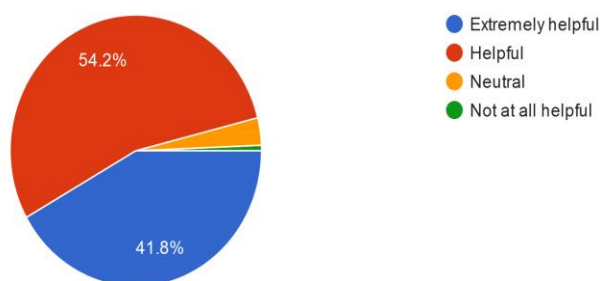
Dr Gayatri Pal (Convenor) , Dr Shinjinee Das Gupta (Jt Convenor)

Dr Pratibha Pal, Dr Subhendu Chandra, Ms KathakaliBiswas, SmtSwarnalekhaBandopadhyay, ShriTapanPodder.

The feedback received from the participants is noteworthy and some responses are summarised and illustrated below

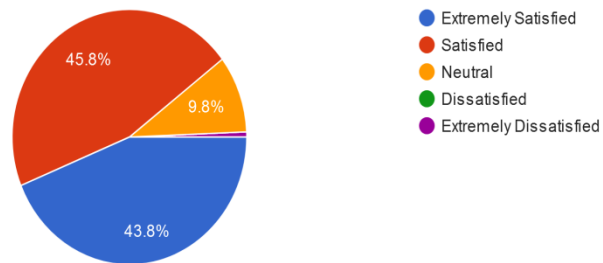
How relevant and helpful do you think it was for you?

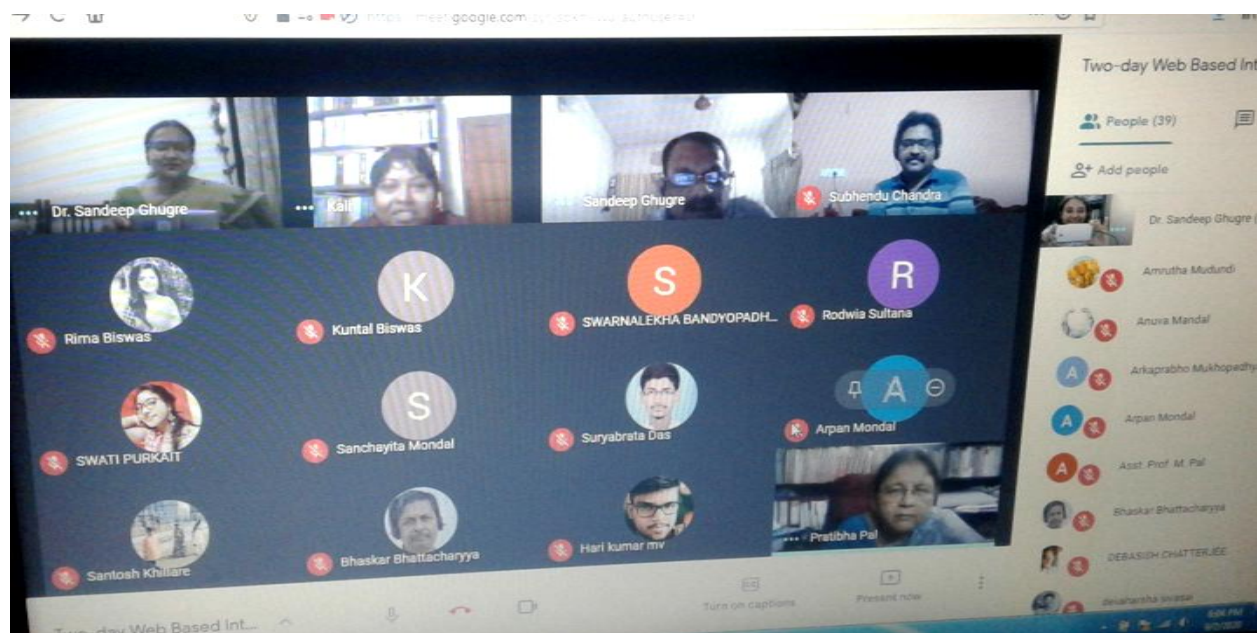
153 responses



How would you rate the overall workshop experience?

153 responses





On

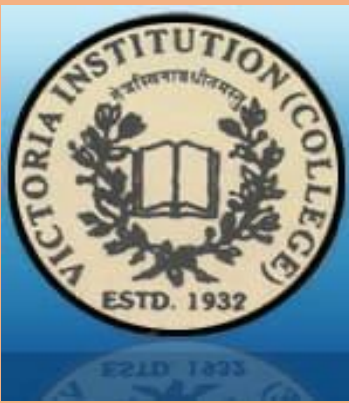
Quantum Optics & Quantum Information: from Basics to Applications

Organized by

The Department of Physics

Victoria Institution (College)

78 B, A P C Road, Kolkata-700009



Contact: E-mail:-vicphysics1950@gmail.com, Mob: 9433136758/9433288395

Registration Link: <https://forms.gle/W6oHKmmdriRGwbQ2A>

Date: 27/06/2021

Time: 3:30 PM to 5:30 PM(IST)

About The Webinar

The Organizing Committee welcomes you all to the Webinar on "Quantum Optics & Quantum Information: from Basics to Applications" scheduled to be held on 27th June, 2021. The theme of the conference is to get an overview of the field of quantum information. The COVID- 19 pandemic has made online teaching and learning 'the new normal'. In this situation this webinar will be able to engage and exchange new ideas for self-enrichment.

Resource Person

Dr. Utpal Roy

Associate Professor and Former Head,
Department of Physics,
Central Vigilance Officer,
Indian Institute of Technology Patna,
Bihta, Patna-801103 (Bihar), India

Information to the participants

- **Registration will close on 20/06/2021 at 12:00 noon**
- **E-certificate of participation will be provided.**

Chief Patron

Dr. Nibedita Chakrabarti

Principal

Victoria Institution (College)

Organizing Committee

- Dr. Pratibha Pal
(Dept. of Physics, VIC)
- Dr. Gayatri Pal
(Dept. of Physics, VIC)
- Smt. Kathakali Biswas
(Dept. of Physics, VIC)
- Smt. Swarnalekha Bandyopadhyay
(Dept. of Physics, VIC)
- Mr. Tapan Poddar (VIC)

**Dr. Shinjinee Das Gupta
(Convenor)**

**HOD, Dept. of Physics
Victoria Institution (College)**

**Dr. Subhendu Chandra
(Joint Convenor)**

**Asst. Prof., Dept. of Physics
Victoria Institution (College)**

One – Day National Webinar on Quantum optics and Quantum Information : from Basics to Applications.

Organised by

the Department of Physics, Victoria Institution (College)

27th June 2021

The pandemic which began in the year 2020 is still on in full swing . With all educational institutions closed since March 2020, the student community is going through an extreme uncertain phase. To keep the students as well as faculty members engaged in the process of teaching and learning various webinars are being organised by different Institutions . As our contribution to this endeavour , we decided to organize this ***One – Day National Webinar on Quantum optics and Quantum Information : from Basics to Applications.***

The object of this Webinar was to give an overview in the field on Quantum optics and information. The resource person was **Dr. Utpal Roy** , Associate Professor and former head in the Department of Physics , Indian Institute of Technology, Patna. Dr Roy gave his presentation in two sessions. In the first part he explained about the basic concepts of Quantum Mechanics with vivid illustrations. In the second session he spoke on the applications of Quantum Mechanics with special emphasis on Bose – Einstein Condensation and also discussed some results from his own area of research and publications. His lucid presentation gave a glimpse into these topics in Physics and was very beneficial for the student participants as Quantum Mechanics and Bose – Einstein Condensation are included in the UG and PG syllabus of different Universities .

The Webinar was well attended by 136 participants which included UG and PG students, Research Scholars and faculty members from different Colleges, Universities and Institutions throughout India. Dr Nibedita Chakrabarti , Principal, Victoria Institution (College) and also the Chief Patron of this Webinar delivered the Welcome addresses. Dr Subhendu Chandra, Jt Convenor , gave the Introductory address. The interactive session was conducted by Dr Shinjinee Das Gupta, Convenor, on Google meet and by Ms Kathakali Biswas on Youtube live screening . Dr Gayarti Pal conveyed the vote of thanks.

The Organising committee consisted of :

Dr. Shinjinee Das Gupta (Convenor) , Dr. Subhendu Chandra (Jt Convenor)

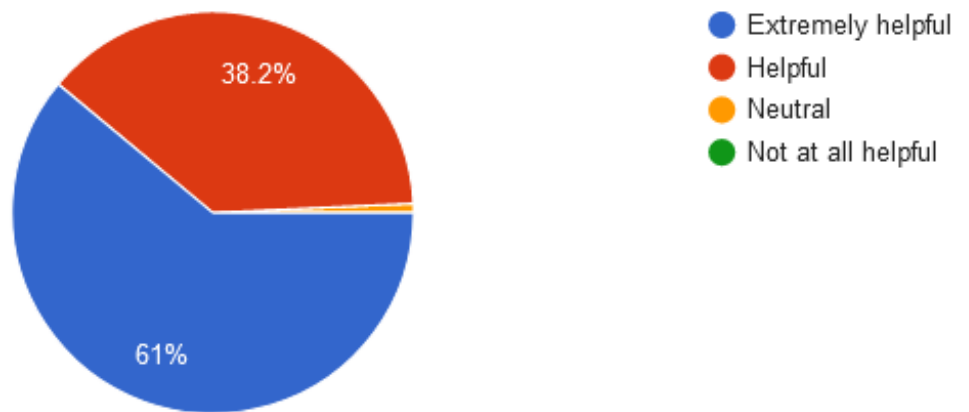
Dr. Pratibha Pal, Dr. Gayatri Pal , Ms. Kathakali Biswas, Smt. Swarnalekha Bandopadhyay, Shri Tapan Podder

Feedback was received from the participants using Google forms link and E – certificate of participation were mailed to the registered participants.

The feedback received is summarised and illustrated below :

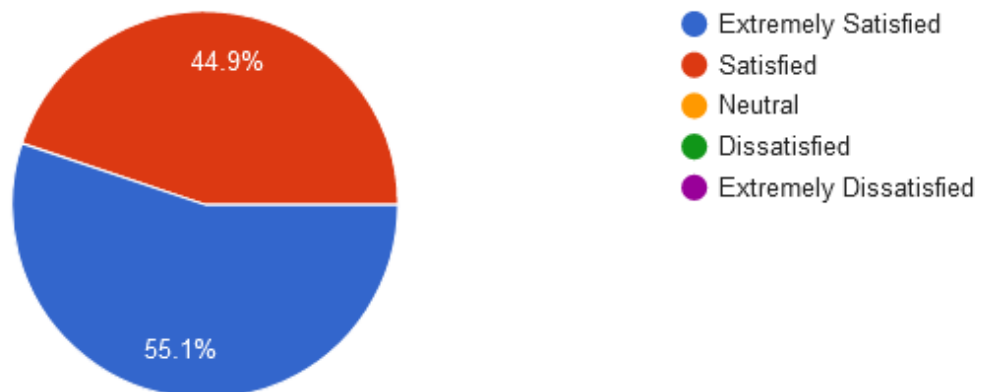
How relevant and helpful do you think it was for you?

136 responses



How would you rate the overall webinar experience?

136 responses



REC Utpal Roy is presenting

Applications & Tunability

External Trap in BEC is the prime tuning parameter

5:45 PM | Quantum Optics & Quantum Information: fr...

In-call messages

Wonderful talk sir... Really appreciate it.

Surya P 5:17 PM
feedback link mam?

You 5:18 PM
At the end of the 2nd talk

Deepjonit Bose 5:41 PM
Sir my question is if instead of many boson system I take only 1 boson then can it form the condensate alone in its ground eigenstate?

Deepjonit Bose 5:43 PM
And in BE statistics does we also have to account for the Energy-time uncertainty principle when we want to analyze and measure to which particle is in which energy state?

Send a message to everyone

Utpal Roy
Gayatri Pal
69 others
You

REC

People

- Sima Karmakar
- Soham Ghatak
- Soumit Roy
- Sourav Mondal
- Subhendu Chandra
- Suman Mandal
- Sumit Sarkar
- SUMONA SARKAR
- Suraj Mandal

55 others

3:35 PM | Quantum Optics & Quantum Information: fr...

Utpal Roy is presenting

Applications & Tunability

External Trap in BEC is the prime tuning parameter

5:45 PM | Quantum Optics & Quantum Information: fr...



National Webinar on Career Advancement for Physics Under Graduate Students

36

Organized by

Department of Physics, Victoria Institution (College),

78 B, A P C Road, Kolkata-700009

July 4th 2021 (Time: 3-6 pm IST)

Contact: E-mail:-vicphysicswebinar@gmail.com, Registration Link: <https://forms.gle/gsMgcpdLvFEP713BA>

About The Webinar

Information to the participants

- Registration will close on 02/07/2021 at 12:00 noon
- E-certificate of participation will be provided.

This webinar will be divided in two parts. In the first session Ms. Saumali Dutta , State RF Optimization Manager of Reliance Jio Infocomm Limited will be talking about "CELLULAR COMMUNICATION- An Evolving Technology and Its Career Prospects". The 2nd session titled "The road ahead for undergraduate Physics students: An Interactive Session" where the students can directly communicate with the resource person Dr. Sajal Ghosh, Associate Professor of Management Development Institute, Gurgaon to enquire about the different future path ways.

Aim of The Webinar

Aim of the webinar is to give an exposure to the undergraduate physics students on different career opportunities apart from opting for a M. Sc. in Physics. We hope that this webinar will be beneficial for the students and will widen their views about various career possibilities where their acquired knowledge of physics can be applied.

Our Limitations

Since this Webinar is mostly interactive and exclusively for under graduate physics students from various universities, colleges and institutions we are allowed to accommodate a limited number of students (First come first serve basis) by which they can successfully communicate and eventually fulfill their requirement.

Resource Persons

• Ms. Saumali Dutta

State RF Optimization Manager of Reliance Jio Infocomm Limited

Topic: CELLULAR COMMUNICATION- An Evolving Technology and Its Career Prospects

• Dr. Sajal Ghosh

Associate Professor of Management Development Institute, Gurgaon

Topic: The road ahead for undergraduate Physics students: An Interactive Session

Chief Patron

Dr. Nibedita Chakrabarti

Principal

Victoria Institution
(College)

Organizing Committee

- Dr. Pratibha Pal
- Dr. Subhendu Chandra
- Smt. Kathakali Biswas
- Smt. Swarnalekha Bandyopadhyay
- Mr. Tapan Podder

Dr. Shinjinee Das Gupta (Convenor)

Asst. Prof., Dept. of Physics

Victoria Institution (College)

Dr. Gayatri Pal (Joint-Convenor)

Asso. Prof., Dept. of Physics

Victoria Institution (College)

***National Webinar on Career Advancement for Physics
Undergraduate students***

***Organised by
the Department of Physics,
Victoria Institution (College)***

4th July 2021

The dilemma of students in the final year of their Undergraduate course in Physics is – “Whether to continue studying Physics in the next level or choose a different career option” Keeping this in mind we decided to organise a ***National Webinar on Career Advancement for Physics Undergraduate students on 4th July 2021***. The aim of this Webinar was to give an exposure to the Undergraduate students in different opportunities apart from opting for M.Sc in Physics.

The webinar comprised of two sessions. **Ms. Saumali Dutta**, State RF Optimisation Manager, Reliance Jio Infocom Limited was the resource person for the first session. She gave a presentation on **CELLULAR COMMUNICATION – An evolving technology and its career prospects**. Her lecture gave the student participants glimpses into the world of Cellular Communication and career opportunities there and we hope that at least some of our students will consider taking up a career in this field.

The resource person for the second session was Dr. Sajal Ghosh, Associate Professor , Management Development Institute , Gurgaon. His presentation was entitled ‘**The road ahead for undergraduate Physics students : An Interactive session**’ . Dr. Ghosh shared his personal experience about opting for a career in a different field and guided the participants about choosing a career in the different domains like economics , data science, finance management which require a sound knowledge of Physics. The presentation was very informative and the interactive session that followed was extremely interesting .

The Webinar was well attended by approximately 50 participants who are UG students from different Colleges, Universities and Institutions throughout India. Dr. Pratibha Pal , Associate Professor in the Department of Physics, Victoria Institution (College) gave the Welcome address. The interactive sessions were conducted by Dr. Shinjinee Das Gupta, Convenor and Dr. Gayatri Pal, Jt. Convenor, on Google meet and by Ms. Kathakali Biswas on Youtube live streaming . Dr. Gayatri Pal conveyed the vote of thanks.

The Organising committee consisted of :

Dr. Shinjinee Das Gupta (Convenor) , Dr. Gayatri Pal (Jt. Convenor)

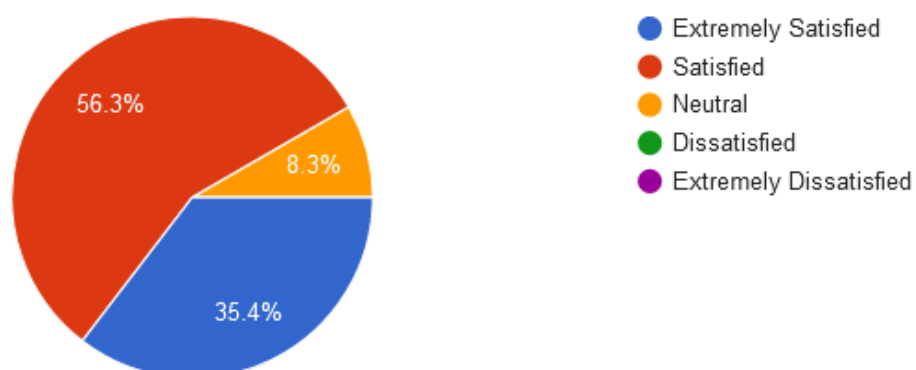
Dr. Pratibha Pal, Dr. Subhendu Chandra, Ms. Kathakali Biswas, Smt. Swarnalekha Bandopadhyay, Shri. Tapan Podder

Feedback was received from the participants using Google forms link and E – certificate of participation were mailed to the registered participants.

The feedback received is summarised and illustrated below :

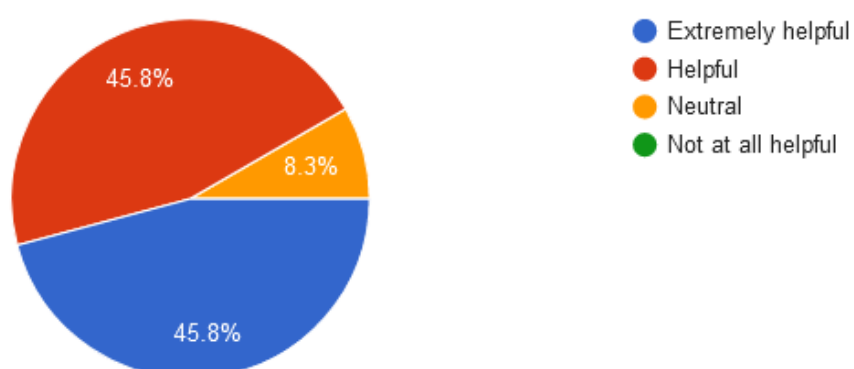
How would you rate the overall webinar experience?

48 responses



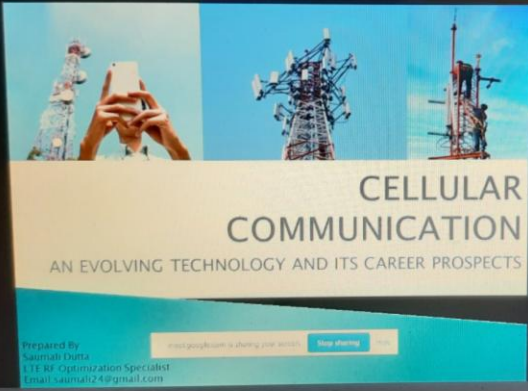
How relevant and helpful do you think it was for you?

48 responses



← → C <https://meet.google.com/tgu-avkt-sh?authuser=1>

Saumali Dutta is presenting



CELLULAR COMMUNICATION
AN EVOLVING TECHNOLOGY AND ITS CAREER PROSPECTS

Prepared By:
Saumali Dutta
LTE-R Optimization Specialist
Email: saumali24@gmail.com

3:10 PM | National Webinar on "Career Advancement f...

Participants visible in the grid:

- Saumali Dutta
- Pratibha Pal
- Indrani Ghosh
- VIC PHYSICS
- Hriddha Saha
- Etesama Parvin
- Indrajit DAS
- Taniya Sikdar
- Priya Saha
- Sajal Ghosh
- 37 others
- You

← → C <https://meet.google.com/tgu-avkt-sh?authuser=1>

Grid of participants:

- Akash kr. Rajak.
- Aritra Saha
- Anannya Chakraborty
- Priyam Paul
- Supratim Nandy
- Santanu Mol
- Sougata Lodh
- Saumali Dutta
- SWARNALEKHA BANDYOP
- Pratibha Pal
- Debanriya Iyer
- Victoria Physics
- VIC PHYSICS
- Sajal Ghosh
- 24 others
- You

5:14 PM | National Webinar on "Career Advancement f...

In-call messages

Messages can only be seen by people in the call and are deleted when the call ends.

You 5:10 PM
<https://forms.gle/pPzUJ56YrC80BsX08>
Feedback Link

Send a message to everyone



Online Workshop On Undergraduate Physics Experiments



Organized by

Department of Physics, Victoria Institution (College)

in Collaboration with

***Indian Association of Physics Teachers,
Regional Council 15***

Date: 27th, 28th Nov & 2nd Dec, 2021

We feel concerned that regular practical classes could not be held for the last eighteen months due to the pandemic. To partly compensate for this loss VIC is going to organize an Online Workshop on Undergraduate Physics Experiments in collaboration with IAPT, RC 15. **This workshop is dedicated to the memory of Late Prof. D. P. Khandelwal, founder of the IAPT.**

Our aim is to enhance the ability of the students to perform experiments using simple and easily accessible equipments. Through demonstrations and discussions, resource persons will explain possible ways of performing the experiments. This will enable students to carry out most of these experiments, **EVEN AT HOME**. Students will thus be better equipped to learn the subject through direct experience.

Registration Link: <https://forms.gle/MBQU82DLhBbPJgzX6>

Registration closes on 24/11/2021 at 1:00 PM

E-certificate of participation will be provided.

Contact: E-mail:-vicphysicswebinar@gmail.com

Sample Experiments

- 1) Young's Modulus of a steel ruler by the method of flexure.
- 2) Determination of the focal length and radius of curvature of an equiconvex lens using the lens as a concave mirror.
- 3) Velocity of sound by the resonance air column method.
- 4) Determination of
 - a) an unknown resistance and
 - b) an unknown current in a circuit by a potentiometer.
- 5) Dispersion of light in a lens using LED's of different colors.

Program schedule

27th Nov, 2021: 6PM
 28th Nov, 2021: 4PM
 2nd Dec, 2021: 7PM

Patrons

Dr. Nibedita Chakrabarti

Principal
Victoria Institution (College)

Convenor

Prof. Gour Prasad Das

President, IAPT, RC15
Distinguished Visiting Faculty,
Department of Physics,
St Xavier's College, Kolkata

Co-Convenor

Dr. Surajit Chakrabarti

Associate Professor of Physics (Retired),
Maharaja Manindra Chandra College.

Currently Guest Faculty :

Ramakrishna Mission Vidyamandira, Belur Math

Dr. Shinjinee Das Gupta

Head, Department of Physics,
Victoria Institution (College)

A Report on the
Online Workshop On Undergraduate Physics Experiments
Organized by the Department of Physics, Victoria Institution (College), Kolkata
in Collaboration with the Indian Association of Physics Teachers, Regional Council 15
(Dedicated to the memory of Late Prof. D. P. Khandelwal, Founder of IAPT)

Educational system has suffered enormously during the pandemic. Practical based subjects have suffered the most as experiments can hardly be done in online mode. In order to partly compensate this loss, a three-day **Online Workshop On Undergraduate Physics Experiments was organized by the Department of Physics, Victoria Institution (College), (VIC) in Collaboration with the Indian Association of Physics Teachers, Regional Council 15 (IAPT, RC 15).** The workshop was held on 27th, 28th Nov & 2nd Dec, 2021. Resource persons delivered online talks on several experiments at the undergraduate 1st and 2nd year levels with demonstrations and videos. The experiments were so designed that **the students could perform them using simple and easily accessible equipments even at their homes.**

The welcome address in the Inaugural session was delivered by Dr. Pratibha Pal, Associate Prof, Dept. of Physics, VIC. This was followed by an introduction of IAPT by Dr. Bhupati Chakrabarti. The motivation for organizing this workshop was highlighted by Dr. Surajit Chakrabarti, a senior member of IAPT.

Dr. Bhupati Chakrabarti, Ex-Professor, City College, Kolkata and former General Secretary of IAPT, the resource person of the first technical session, discussed the method to determine the Young's Modulus of a long wooden ruler in the form of cantilever by observing of its free end oscillation and also verification of Newton's Law of cooling by measuring the heat loss by a glass of water using a digital thermometer. Mr. Soumen Sarkar, Assistant Teacher of Physics, Karui P.C. High School, Hooghly, WB demonstrated the measurement of the focal length of a biconvex lens, focal length of a concave lens by the method of combination using the torch of a mobile phone as a source of light. He then explained how to find the refractive index of water kept in a bucket with a plastic ruler immersed in it. The idea of parallax was explained with a video demonstration by Dr. Surajit Chakrabarti, Ex-Professor, Maharaja Manindra Chandra College. He also enlightened the participants on the measurement of the focal length of an equiconvex lens and its radius of curvature using the lens as a concave mirror without the use of a spherometer.

On second day Dr. Makhan Lal Nanda Goswami, Associate Professor of Physics, Midnapore College, Medinipur, gave a lecture on the measurement of horizontal component of earth's magnetic field and magnetic moment of a bar magnet using a magnetic needle. Dr. Surajit Chakrabarti explained how to measure the velocity of sound by the method of resonant air column in a 250 ml semi-transparent measuring cylinder partially filled with water. He used the source of sound from the PHYPHOX app, which can be downloaded free on a smart phone. Dr. Makhan Lal Nanda Goswami then explained how the traditional potentiometric and meter bridge experiments could be easily performed from home

replacing the potentiometer by a handy small 10 turn 100-ohm pot. The theoretical basis of a potentiometer was explained by Dr. Surajit Chakrabarti. . Resource person of the last session of this day, Mr. Deep Narayan Ghosh, Assistant Teacher of Physics, Vidyasagar Shishu Niketan, H.S. school, Medinipur spoke about home experiments using a thermistor.

The third day started with the demonstration of Mr. Sanjoy Kumar Pal, an Assistant Teacher of Physics, Anandapur H.S. School, Paschim Medinipur on the study of charging and discharging of a capacitor through a resistor using the mobile phone charging adaptor instead of a conventional dc power source. The last presentation of the workshop was by Dr. Syed Minhaz Hossain, Associate Professor at the Department of Physics, IEST, Shibpur. He spoke on the principle of Light Emitting Diode using band diagram: I-V characteristics and emission spectra and also a method of determining Planck's constant.

A small kit which contained lenses, measuring cylinder, bar magnets along with a magnetic needle, one digital thermometer, one multi turn pot, few resistances, capacitances etc. were provided by IAPT, RC15 to the 1st and 3rd Sem. Physics Hons. students of VIC so that they could carry out most of these experiments at home.

About 50 students participated in this workshop from various colleges of West Bengal as well as from other states of India. Most of them responded positively and are showing interest in carrying out the experiments at home. A post workshop discussion WhatsApp group has been created where the students are posting their results and communicating with the resource persons. It is very heartening to find students performing the experiments from home even after a month of the formal presentations. There is a plan for a follow up program, where the students will give short presentations on their experiences of performing the experiments at home.

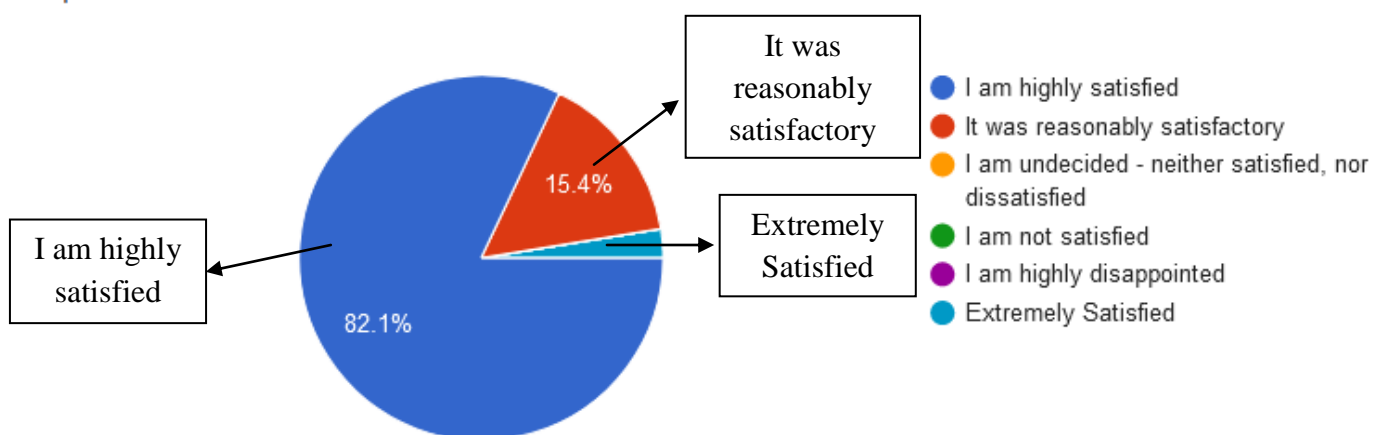
Faculty members of the Dept. of Physics, VIC conveyed their sincere thanks towards the resource persons, who took this challenging job of designing these experiments and demonstrating them online and also to the members of IAPT, RC 15 for providing the experimental kits.

Dr. Nibedita Chakrabarti, Principal, VIC and Prof. Gour Prasad Das, President, IAPT, RC15 and Distinguished Visiting Faculty, Department of Physics, St Xavier's College, Kolkata were the patrons of this workshop. Dr. Surajit Chakrabarti and Dr. Shinjinee Das Gupta, HOD, Dept. of Physics, VIC were the convenor and co-convenor of this online workshop respectively. Technical support was provided by Smt. Kathakali Biswas, SACT, Dept. of Physics, VIC. Dr. Gayatri Pal, Smt. Swarnalekha Bandyopadhyaya senior teachers in the Dept. of Physics, VIC and the members of IAPT RC 15 provided the crucial support for this endeavour. The concluding remarks were given by the President of IAPT, RC15 Prof. G.P. Das and the vote of thanks was delivered by Dr. Subhendu Chandra, Assistant Prof., Dept. of Physics, VIC. The whole programme was conducted online by Dr. Shinjinee Das Gupta.

The summary of the various user feedback could be collated almost instantaneously, and a representative report is illustrated below. The feedback form was prepared by Dr. Shinjinee Das Gupta and Dr. Chinmoy Kumar Ghosh, a senior member of IAPT.

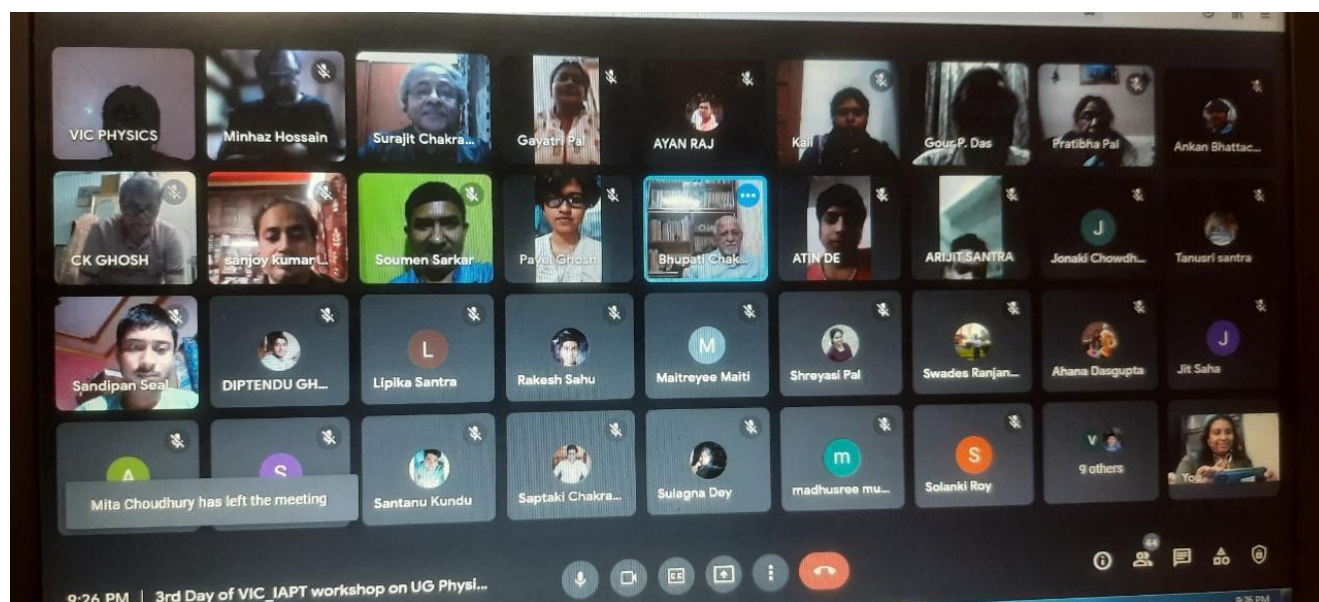
How would you rate the overall workshop experience?

39 responses



r

Shinjinee Das Gupta , SurajitChakrabarti



A screenshot of the online program

**E – Career Awareness Programme by Institute of Company Secretaries of India on 8th
February, 2021**

The Webinar has been conducted by Institute of Company Secretaries of India regarding the career growth of the student as a company secretary. A company secretary can also treat as corporate lawyer and his job is to supervise all the legal matters of the organisation and to maintain strong administration within the firm. In this COVID – 19 situation when students are really depressed regarding their career goal, in that particular time this webinar conducted by ICSI has motivated them to get a new path in their life. A motivational speech has been delivered by GST Expert Udit Jalan in this webinar. He has mentioned in his speech that students must not think that this pandemic is going to ruin their future permanently rather they should think that they are getting more time to shape up their career aspects and meet up the requirement as per their vision.

**E Career Awareness Programme and GST in India by Cost and Management Accounting
held on 8th February, 2021**

The Institute of Cost and Management Accountant of India has shown a path towards developing the career of the students. While doing graduation they can get the idea regarding then future scenario of job aspects. Sometime the students get confused that can they do something apart from graduation to enhance their career? So, ICMA has provided that guidelines to the students which help them to access the right area for their future.

The programme also being conducted by considering discussion related with a topic. The speaker fior the topic was the associate Professor and head of WBSU, Dr. Pranam Dhar. He has highlighted the different elements of GST and how this GST has been calculated while filing indirect tax. The student does not have huge idea about GST so this webinar has helped them a lot to grab this new area of Taxation system. The Speaker has also told about how the students can consider this GST aspect as their career opportunity.

**TWO DAY INTERNATIONAL WEBINAR ON THE IMPACT OF COVID-19 PANDEMIC AND
LOCKDOWN ON INDUSTRY, TRADE AND COMMERCE (DATE - 30/08/2020 AND
31/08/2020)**

The department of Commerce of the Victoria Institution (College) with IQAC and the Kishore Bharati Bhagini Nivedita college with IQAC had arranged a two-day international webinar dated 30/08/2020 and 31/08/2020 regarding the impact of Covid 19 pandemic and lockdown on industry, trade and commerce.

In this webinar, we had five eminent speakers, namely, Prof. (Dr.) Radhe.S.Pradhan, Prof. (Dr.) Ashish Kumar Sana, Prof.(Dr.) Debashish Sur, Prof.(Dr.) Amalendu Bhunia and Dr. Santus Kumar Deb.

Covid 19 drastically changed the social life as well as the industry, trade and commerce. Due to the rapid increase in the number of Covid cases, different forms of restrictions were imposed that completely destroyed the economic life. The lockdown took away jobs from people which affected their livelihood to a great extent. The speakers articulated their views regarding this crisis.

A segment was specifically designed for presenting papers by some selected presenters, who threw light on the areas that were badly affected due to the Covid -19 outbreak. Some of the presentations of the webinar, that were worth mentioning include, the impact of COVID -19 on the MSME sector, rural economy, migrant workers, agricultural sector, education etc.

National Webinar on “Impact of COVID – 19 on Indian Economy” organised by Victoria Institution (College) and Institute of Company Secretaries of India on 26th July, 2020

The webinar was organised by Victoria Institution (College) in collaboration with the Institute of Company Secretaries of India which focussed on the impact of COVID – 19 in the Indian Economy. Due to COVID-19, all the sectors were adversely affected that has disturbed the world economy as well as the Indian economy a lot.

In the technical session, there were three renowned speakers who had highlighted three different areas on Indian economy which were affected due to the pandemic. Firstly, Prof. CA.(Dr.) Chittaranjan Sarkar had about managing the crisis occurred and how one of the sensitive sectors, i.e. MSME was affected. Due to the demand chain problem, the production and the manufacturing processes, had stopped which badly slowed down the outcome of the MSME Sector.

The second speaker, Dr. Ram Prahlad Choudhary explained that the changes which occurred due to Covid had directly affected the higher education sector, which includes schools, colleges and universities.

The last speaker, Dr Subramanyam Mutyala spoke that the Indian Financial Market was also drastically affected due to the pandemic. Moreover, he highlighted the fact, that the investors got so anxious, that they started withdrawing money from the share market which shattered the market adversely. He also added that the Covid pandemic had instilled a sense of fear in the minds of the investors and had barred them from investing their hard earned money in any new investments.



VICTORIA INSTITUTION (COLLEGE)

78B, A.P.C. ROAD, KOLKATA-700009

Presents

ONE DAY INTERNATIONAL WEB-CONFERENCE

On

NEED OF THE HOUR AMIDST PANDEMICITY: IMMUNOLOGICAL & PSYCHOLOGICAL, WITH SPECIAL ATTENTION TO STUDENTS

Jointly Organised by Department of Zoology & Botany

REGISTRATION

Please Click the Link
<https://forms.gle/VzFujfgPMtZYMMpP7>

Or scan the QR code



15TH JULY, 2020 | WEDNESDAY | 2:00-6:30PM

THIS WEB-CONFERENCE IS OPEN TO ALL THE FACULTY MEMBERS AND STUDENTS

EVENT PLATFORM

ZOOM Cloud Meetings 

YouTube Live Streaming 

RESOURCE PERSONS

 <p>PROF. (Dr.) AMITABHA NANDY <i>Specialist in Tropical and Infectious Diseases, Former Director, Center for Tropical Medicine and Parasitology, Kolkata, India</i> Time: 2.00PM – 3PM</p>	 <p>Ms. JULIANNE BELL <i>Independent Behaviour Consultant, Northern Ireland, UK</i> Time: 3.45PM – 4.45PM</p>	 <p>Dr. SUMIT SARKAR <i>Research Biologist, Division of Neurotoxicology, National Center of Toxicological Research, (FDA), USA</i> Time: 5.30PM – 6.30PM</p>	 <p>Dr. NIBEDITA CHAKRABARTI <i>Principal, Victoria Institution (College), Kolkata</i></p>
--	--	--	---

SOME USEFUL INFORMATION

- ❖ Registration is Free But Mandatory.
- ❖ Registration is to be Done by 11/07/2020, 7pm, Through The Link Provided.
- ❖ Zoom meeting ID will be sent to First 80 registered participants and for the rest of the participants, YouTube Live Streaming link will be provided. Link/ID will be sent to participant's e-mail ID.
- ❖ Every Registered Participants Will Get e-certificate Through e-mail, Upon Submission of Feedback Form, After The Webinar.

CONVENER

Dr. DEBJANI DAS (GHOSH),
HOD, DEPT. OF ZOOLOGY

 **+91 98312 17831**

FOR ANY FURTHER QUERY,
PLEASE FEEL FREE TO MAIL AT:

victoriawebconferencecollege@gmail.com

JOINT CONVENER

Dr. SUDIP KUMAR SINHA,
ASST. PROF. DEPT. OF BOTANY

 **+91 84204 52993**

Sri. SUMALLYA KARMAKAR,
ASST. PROF. DEPT. OF ZOOLOGY

 **+91 84201 53049**

The year 2020 brought us face to face with the hard reality of COVID-19 Pandemic. The departments of Zoology and Botany at Victoria Institution (College) took-up the challenge and organised an international webinar to make the students aware about the various aspects of the disease. The webinar was held on 15.07.2020 where eminent personalities presented their lectures and it was attended by 248 participants.



NATIONAL WEBINAR TO CELEBRATE DOCTORS' DAY

Organized by

Victoria Institution (College)

78B, A.P.C. ROAD, KOLKATA-700009



ESTD. 1932
Since - 1932

REGISTRATION

EVENT PLATFORM

Please Click The Link Below
<https://forms.gle/vRfSP6ca3BXhWkHy6>

In Collaboration With

INDIAN SCIENCE CONGRESS ASSOCIATION KOLKATA CHAPTER

1st JULY, 2021 THURSDAY 11:00 A.M. (IST)

RESOURCE PERSONS

 Dr. DEBPRASAD CHATTOPADHYAY Scientist G & Director, National Institute of Traditional Medicine, ICMR, Belagavi Topic: COVID- 19: Science and Societal Impact	 Prof. (Dr.) RANABIR PAL Professor, Community Medicine, MGM Medical College & LSK Hospital Kishanganj, Bihar. Formerly Addl. Prof. AIIMS, Jodhpur. Topic: Doctors' sacrifice: Unsung warriors of CoVID- 19 pandemic	 Dr. NIBEDITA CHAKRABARTI Principal, Victoria Institution (College), Kolkata.
		 Prof. ANANGA MOHAN CHANDRA Treasurer, ISCA Kolkata Chapter.
		 Dr. MANOJ KUMAR CHAKRABARTI Convener, ISCA Kolkata Chapter and Past General President, ISCA.

- ❖ **Registration Is Free But Mandatory**
- ❖ **Registration Is To Be Done By 28/06/2021, 7pm, Through The Link Provided.**
- ❖ **Faculty Members and Students Can Register.**
- ❖ **Google Meet Meeting ID Will Be Sent To The Registered Participants.**
- ❖ **Every Registered Participants Will Get e-certificate Through e-mail, Upon Submission of Feedback Form After The Webinar.**

JOINT CONVENERS


Dr. SUBHENDU CHANDRA
 ASSISTANT PROFESSOR
 DEPT. OF PHYSICS


Mr. SUMALLYA KARMAKAR
 ASSISTANT PROFESSOR
 DEPT. OF ZOOLOGY

Doctors are an essential component of the society that we live in. They were the main supporting force who worked at the frontline during the COVID-19 pandemic. On the 1st of July, 2021, Victoria Institution (College) along with ISCA Kolkata chapter, jointly organised a national webinar to commemorate the Doctors' Day. The programme was a success and it was attended by 205 candidates.



As per the directives of the West Bengal Government, an awareness programme on COVID-19 was to be held before the college reopened. Hence, such a programme was arranged on 12.11.2021 at Victoria Institution College that was attended by the teaching and non-teaching staffs of the college