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10. Sample certificates issued
to participants and resource persons

Brief Report of One Day National Webinar (10th June 2020)

.....On The Theme Of.....

“ Writing Skills In The Project Report And Light Matters”

In the Principal- Staff meeting held on 6th June 2020, it has been decided to conduct online video classes in order to benefit the students who were deprived of regular classes as the classes were suspended due to COVID - 19 crises. Along with the online video lectures for the students, an online seminars (Webinars) were also been decided to be conducted for the benefit of teachers as well as research students of this region and the others. In view of this a physics department meeting was conducted under the guidance of department chairperson and it was resolved unanimously to arrange the video lectures and to the conduct webinars on various themes that are considered as need of the hour.

With reference to this, a second webinar was organized on the theme “Writing skills of the Project Report and The Light Matters”. Eminent speakers were invited to deliver the lectures. For the first session of the webinar Dr. Mohan P. Sarvade Associate Professor from Gyanopasaka College of Science, Parbhani, Maharashtra State, kindly accepted the invitation and delivered a lecture on the topic related to the theme, “ Writing Skills in Project Report “. He discussed first about the need of the writing of the research paper ,Why do we need writing research paper? What is research writing?What should you include in research writing? and the correct sequential method of writing the Project report like; A title page, An abstract, An introduction, A methodology section, Findings/results and finally the discussion.

For the second session Dr. Bharath Kumar K. Asst. Professor of Physics from Central University Karnataka Kalaburagi, kindly accepted the invitation and delivered a lecture on the topic related to the theme that is "**Light Matters**".

He discussed about what is light what it is made up of what are different theories that tried to explain the nature of light. Some of the important properties exhibited by light radiation such as interference, diffraction, polarization, quantum nature of light etc. using the power point presentations.

There were around seventy six participants in the webinar. At the end of the webinar a feedback was taken from all the participants, which reads that the webinar was successful and was highly satisfying for all of the participants.



Centenary Celebrated Sharnabasaveshwar Vidya Vardhak Sangha's
SHARANABASVESHWARCOLLEGE OF SCIENCE

(Affiliated to Gulbarga University, Diamond Jubilee Celebrated & ISO Certified)
Vidya Nagar, Kalaburagi-585103, Email Id:sbcscg@gmail.com

Under IQAC Initiative
Department of physics
Organizes

ONE DAY NATIONAL WEBINAR
On

"Writing Skills in Project Report & Light Matters"

With the Divine Blessings of
Poojya Dr.Sharnbaswappa Appaji
MahadasohaPeetadipathi,SharanabasveshawaraSamasthana
President, Sharanabasveshwara Vidhya Vardhak Sanga
Chancellor, Sharnbasva University, Kalaburagi

In the August presence of
Sri.Basawaraj S. Deshmukh
Secretary, Sharnabasaveshwar Vidhya Vardhak Sangha, Kalaburagi

Guest Speaker of Session -I
Dr. Mohan P. Sarvade
Associate Professor, Department of
Physics, Gnaynopasak College of
Science, Parabhani

Guest Speaker of Session-II
Dr. Bharath Kumar K.
Asst. Professor, Department of Physics,
Central, University Karnataka Kalaburagi

President
Dr. S. G. Dollegoudar Patil
Principal, Sharanabasaveshwara College of Science, Kalaburagi

Date: 10 June (Wednesday)2020.

Time: 10.00 AM to 1.00PM

Through Zoom meet:

<https://us04web.zoom.us/j/2211117602?pwd=OXNlclBFU2laeHYZd1YXY0o3cGozZz09> Meeting ID: 221 111
7602 Password: 824632

Link for Regi:https://docs.google.com/forms/d/1ZxMtd3EXpVW9L3bBbOfJ_1mhkaQTndSLi6HNIZ5a2Y/edit

Note: E-Certificate Will be issued to all Registered and Active participants after the Submission of Feedback Form
(Feedback link will be sent through respective E-mailid)

**Organizing Secretary
& IQAC Co coordinator**

Dr. Omprakash S.

Academic activity Co-ordinator

Dr.Trimbak V biradar

Principal

Dr. S G Dollegoudar Patil



Centenary Celebrated Sharanabasaveshwar Vidhya Vardhak Sangha's
SHARANABASAVESHWAR COLLEGE OF SCIENCE
(Affiliated to Gulbarga University, Diamond Jubilee Celebrated and ISO Certified)
Vidya Nagar, Kalaburagi-585103, Email Id: sbc.scg@gmail.com

Through: Zoom app.

<https://us04web.zoom.us/j/2211117602?pwd=OXlpcjBFU2lzeHVZd1VWV0o3cGozZz09>

Meeting ID: 2211117602
Password: 824632

Date: 10.06.2020

Time: 11:00 AM To 01.00 PM

Under the IQAC Initiative
Department of Physics Organizes
One Day National Webinar on

“Writing Skills in Project Report & Light Matters”

In the August Presence of
Sri. Basawaraj S. Deshmukh
Secretary
Sharanabasaveshwar
Vidhya Vardhak Sangha
Kalaburagi

Session 1:

Topic: **Writing Skills in Project Report**
Resource Person
Dr. Mohan Sarwade
Asso. Professor
Gnaynopasak College of Science, Parbhani

Session 2:

Topic: **Light Matters**
Resource Person
Dr. Bharath Kumar K.
Asst. Professor
Central University Karnataka
Kalaburagi

Convenor:

1. Dr. B. D. Malipatil
2. Dr. B. G. Evale
3. Dr. Jayashree C.
4. Dr. Chitralekha A.

Organising Secretary

Dr. Omprabash S.

Assistant Professor, Dept. of Physics
Sharanabasaveshwar College of
Science, Kalaburagi.

Principal

Dr. S G Dollegoudar Patil

Sharanabasaveshwar
College of Science, Kalaburagi.

Registration Link:

https://docs.google.com/forms/d/1wPLdgwsDgg-NxE5LHumxOT_sU5VDY1uT4gvrI4OZLQ/edit



SHARNBASVESHWAR COLLEGE OF SCIENCE, KALABURGI

Under the IQAC Initiative
Dept.Of Physics Organizes

One Day National Webinar on

“ Writing Skills in Project Report & Light Matters ”

Through: ZOOM APP.

Date : 10 , 06 , 2020

Time: 11:00 AM To 01:00 PM.

Registration

Link: https://docs.google.com/forms/d/1wPLdgwsDggNxELHumxOT_sU5VDy_1uT4qvrI4OZLQ/edit

Program Schedule:

1. Welcome and Introduction of the Guests (instruction to restart the ZOOM app after 40min duration)
2. Address by Honorable Secretary Sir.
Start of Session – I: Dr. Mohan Sarvade. Asso. Professor of Physics, Gnaynopasak College of Science, Parabhani
3. Vote of thanks.
Start of Session – II: Dr. Bharath Kumar K.Asst. Professor of Physics,Central UniversityKalaburagi,Karnataka
4. Presidential Remark:Principal, Dr. S G Dollegoudar sir.

Organising Secretary

Dr. Omprakash S.

Assistant Professor, Dept. of Physics
Sharanabasaveshwar College of
Science, Kalaburagi.

Principal

Dr. S G Dollegoudar Patil
Sharanabasaveshwar
College of Science, Kalaburagi.

Join through

link: [https://us04web.zoom.us/j/2211117602?pwd=OXlpclBFU2laeHVZd1VWV0o3cGoz](https://us04web.zoom.us/j/2211117602?pwd=OXlpclBFU2laeHVZd1VWV0o3cGozZz09Meeting ID: 221 111 7602)

Zz09Meeting ID: 221 111 7602

Password:

824632

Welcome-Note

**One Day National Webinar
on
“Science and Scientific Research
Methodology in Sample Preparation”**

Seeking the blessings of lord Sharnabasweshwar and seeking the blessings of Poojya Dr. Sharanabasavappa Appaji, President of Sharnabasweshwar Vidya Vardhak Sangha, Kalaburagi, Honorable Secretary of the SBVVS Sangha, Shri Baswaraj Deshmukh, Respected Principal of Sharnabasweshwar College of Science Dr. S.G. Dollegoudar Sir esteemed Faculty members of the institution Guest speakers of today's Webinar and all the participants, Good morning to you all.

On behalf of the management and on behalf of the Sharnabasweshwar Science college Kalaburagi, I whole heartedly welcome you all to the one day National seminar on “Skills in writing Project Report and Light Matters”, organized by IQAC and department of Physics. Welcome you all once again.

Guest speakers of today's webinar are

1. Dr. Mohan Sarvade. Asso. Professor Gnaynopasak
College of Science, Parabhani &
2. Dr. Bharath Kumar K. Asst. Professor Central
University Karnataka Kalaburagi

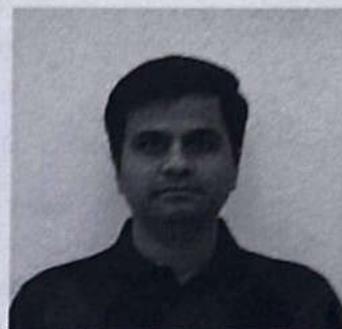
Now I request Dr. Mohan P. S. to begin the session

Note: As entire webinar is being conducted on Zoom app. It gets discontinued after 40 minutes. I request all the participants that if it happens so then immediately after it discontinues please rejoin the webinar once again. And while the webinar is in progress kindly mute your microphones to avoid the disturbance.

Curriculum Vitae

Personal details

Name: Bharat Kumar
Designation: Assistant Professor, Central University of Karnataka
Address: School of Physical Sciences,
Central University of Karnataka,
Kadaganchi, Kalaburagi.
Email: bharat@cuk.ac.in



Education

- PhD. in Physical Sciences (2010), Raman Research Institute, Bangalore, India (affiliated to Jawaharlal Nehru University, New Delhi, India).
- Master of Science (Physics) [specialization in Materials Science] (2004), Gulbarga University, Kalaburagi, India (4th rank, First Class).
- Bachelor of Science [Physics, Chemistry & Mathematics] (2002), Laxmi Venkatesh Desai College, Raichur, affiliated to Gulbarga University, India.

Research Experience

From January 2014: Assistant Professor, School of Physical Sciences, Central University of Karnataka.

August 2013 - January 2014: DST-INSPIRE Faculty, Department of Chemical Engineering, Indian Institute of Technology Kanpur.

August 2010 – July 2013: Post-doctoral Research Associate, Department of Physics and Astronomy, University of South Carolina, Columbia, SC, USA.

August 2006 – July 2010: Senior Research Fellow, Soft Condensed Matter Group, Raman Research Institute.

July 2004 - July 2006: Junior Research Fellow, Soft Condensed Matter Group, Raman Research Institute.

Teaching Experience

Since January 2014: Assistant professor at School of Physical Sciences, Central University of Karnataka (CUK).

Sponsored Projects

Period	Sponsoring Organization	Title of Project	Grant
Five years	Department of Science and Technology, Govt. of India	Electrical interactions between antimicrobial peptides and supported lipid bilayers	Rs. 35 Lakh
Three Years	Department of Science and Technology, Govt. of India	Electrical properties of amyloid peptides and their interaction with biomembranes	Rs. 45.1 Lakh

List of Publications

1. "Novel mesogenic azobenzene dimer at air-water and air-solid interfaces"
Bharat Kumar, A K Prajapati, M C Varia and K A Suresh; *Langmuir* **25**, 839 (2009).
2. "Kinetics of *trans* – *cis* isomerization in the azobenzene dimers at air-water interface"
Bharat Kumar and K. A. Suresh; *Phys. Rev. E* **80**, 021601 (2009).
3. "Stress-strain relation in the collapse of Langmuir monolayer of a dimer of disc shaped moiety"
Bharat Kumar, K A Suresh, S. K. Gupta and Sandeep Kumar; *J. Chem. Phys.* **133**, 044701 (2010).
4. "Dielectric constants by multifrequency non-contact atomic force microscopy"
Bharat Kumar, Joseph C. Bonvallet and Scott R. Crittenden; *Nanotechnology* **23**, 025707 (2012).
5. "Spreading and retraction dynamics of a dye doped smectic liquid crystal domain at the air-water interface"
Viswanath P., Suresh K. A. and **Bharat Kumar**; *Soft Matter* **8**, 11180 (2012).
6. "Stern potential and Debye length measurements in dilute ionic solutions with electrostatic force microscopy"
Bharat Kumar and Scott R. Crittenden; *Nanotechnology* **24**, 435701 (2013).
7. "Synthesis and Characterization of Novel Azobenzene-based Mesogens and their organization at Air-Water and Air-solid Interfaces"
Santanu Kumar Pal, Monika Gupta, Nishtha Agarwal, Ashima Arora, Sandeep Kumar, **Bharat Kumar**, and Goutam Sheet; *RSC Advances* **4**, 41371 (2014)
8. "Nanoscale dielectric measurements from electrostatic force microscopy"
Bharat Kumar and Scott R. Crittenden; *Mod. Phys. Lett. B*, **28**, 1430011 (2014).
9. "Charge transport in liquid crystalline triphenylene polymer monolayer at air-solid interface"
H. N. Gayathri, **Bharat Kumar**, K. A. Suresh, H. K. Bisoyi and Sandeep Kumar; *Phys. Chem. Chem. Phys.*, **18**, 12101-12107 (2016)
10. "Kinetics of interaction between antimicrobial peptide nisin and Langmuir monolayers of DPPC and DPPG molecules" Imranpasha and **Bharat Kumar**; *Phys. Rev. E*, **100**, 032404 (2019)

Statement of Research Interests

Organic molecules became very popular as novel electrical materials with applications varying from thin-film devices to molecular electronics and nanotechnology because of low cost synthesis and properties like self-assembly. The studies on electrical and mechanical properties of thin films of organic molecules also find its importance in understanding various phenomena occurring in nature. The properties of thin films of organic molecules are predominantly controlled by the molecular structure, intrinsic molecular dipole moment, charge distribution at the interface, and intermolecular forces (van der Waals forces). My research so far has focused on the mechanical and electrical properties of thin films of organic molecules including liquid crystal films formed by self-assembly of molecules at air-water and air-solid interfaces.

Currently our research activities are focused to understand the electrical interactions between polyelectrolytes and charged soft surfaces. In particular, we are investigating the electrical interactions between charged proteins/peptides/amino acids and lipid membranes.



Light Matters

Bharat Kumar

Department of Physics
School of Physical Sciences
Central University of Karnataka

Webinar for S. B. University, Kalaburagi
10th June 2018

Contents:

1. History of Light
2. Duality of light
3. Forms of light – LASER
4. Applications of light

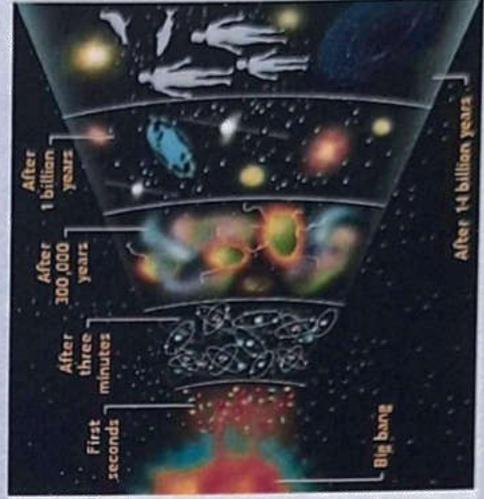


History of Light

Let there be light !!



Beginning..



Big Bang Theory

Light and Seeing

Ancient Greek Philosophers ..

Two views:

- Eye as an active organ with "Insidefire"
- Objects shed light from their surfaces

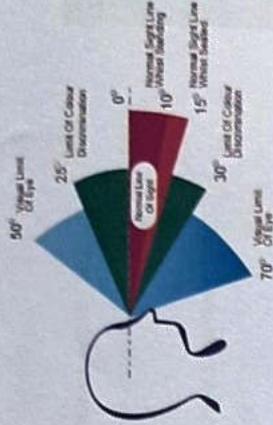
400 BC

Compromise!!

Objects hushed off the images and inner fire from the eyes gave image husk substance.

Euclid of Alexandria (300 BC)

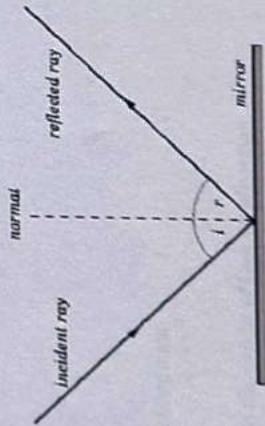
Light travelled in straight line



Law of reflection

Hero of Alexandria (100 AD)

Light travels along the shortest path
Law of reflection



Alhazen

Abu Ali al-Hassan ibn al-Haythem (965 – 1039)

- Studied Greek text
 - Carried out independent experiments
 - Showed that eyes are passive receivers of light
 - Reconfirmed the rectilinear motion of light and law of reflection
 - Described refraction in *Kitab al-Manazir* (1011 – 1021)
- Franciscan Friar Roger Bacon (1214 – 1294 AD)
- Predicted telescope and microscope (Opus Majus)



Speed of Light

Galileo Galilei (1638)

- Proposed an experiment to find speed of light
- First experiment to find speed of light was a failure
- It took another two centuries to complete the experiment

However, Giovanni Domenico Cassini and Ole Romer independently analyzed the eclipse times of moon around Jupiter to finally conclude that speed of light is finite (although later Cassini changed his mind and retracted from this claim).



Nature of light

Robert Hooke's Micrographia (1665)

- Highly magnified never seen before images of ants, flies, wasps, etc
- Everything in nature is in motion
- Every motion is associated with some form of wave
- Colour as a distortion in whitelight
- Different types of distortions gives rise to different colours



Rene Descartes and W. Snell

Rene Descartes

- Treatise of Light (1629 – 1633)
- Vague ideas about speed of light
- Correct Law for refraction (1637)

Willebrod Snell van Roijen (1621)

- Correct Law for refraction, not published
- Christian Huygens published Snell's work in 1703 in *Dioptrica*

Except for mathematical form, Alhazen must be given the credit of Law of refraction

Refractive Index and Snell's Law

For Snell's Law, we need refractive index of materials

Refractive index is a measure of speed of light in a medium with respect to the speed of light in vacuum.

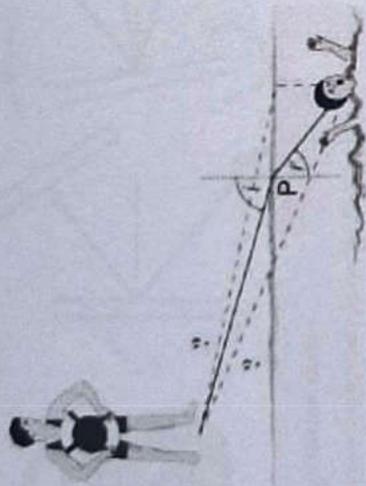
$$\eta = \frac{c}{v_{\text{media}}}$$

Snell's law

$$\eta_1 \sin(i) = \eta_2 \sin(r)$$

Fermat's principle

Light travels along the path of shortest time!!

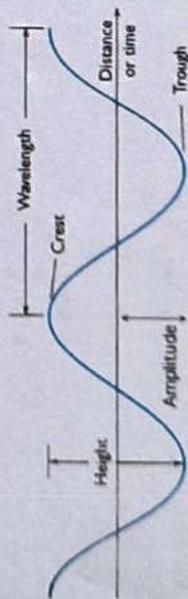


Pierre de Fermat



Wave Optics

Corpuscular theory was glaringly opposite of Hooke's theory of light which proposed wave like nature for light.



Characteristics of a wave:

- Amplitude
- Wavelength
- Frequency (time period)
- Velocity

Properties of wave: Huygen's Theory

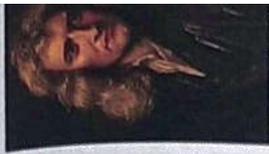
- Obey law of superposition
- Obey Snell's law (speed of light slower in denser media)
- Interference, Polarization, Diffraction
- Each point in space is a source of disturbance

Newton's Opticks

Corpuscular theory of light (1704)

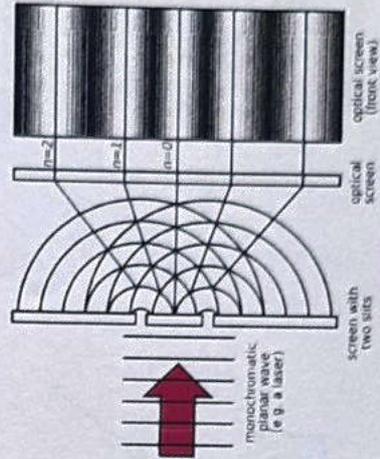
Based on his experiments with triangular prism Newton suggested the following:

- White light consists of all colours
- Different colours are attributed to different size of corpuscles
- Speed of light is more in denser medium (absence of aether) than in air (vacuum)



Success of Wave Theory of light

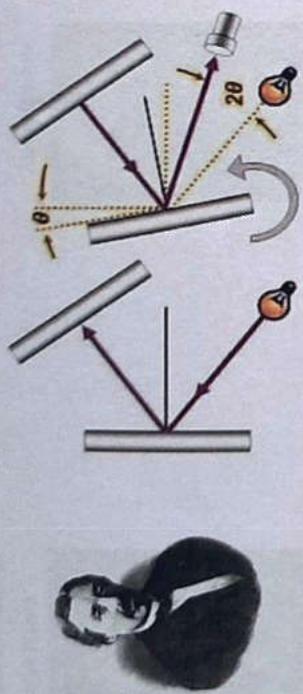
Thomas Young's double slit experiment.





Success of Wave Theory of light

Speed of light test by Leon Foucault in 1687

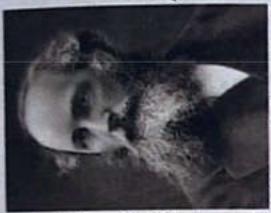


Outcome of the experimental studies

> Velocity of light is slower in optically denser media, Newton's corpuscular theory is incorrect



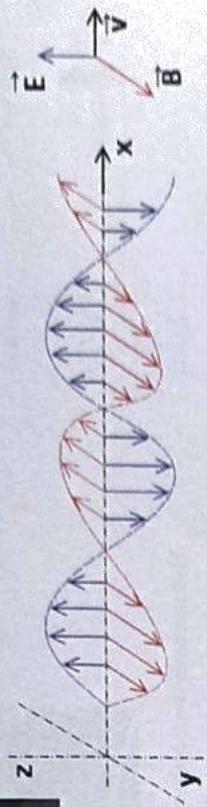
Maxwell's theory



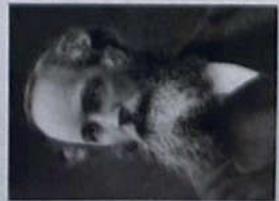
Alright, lets agree that light is wave...

But, what is oscillating in space??

Answer came only in mid 1860s - Theory of electromagnetism by James Clerk Maxwell

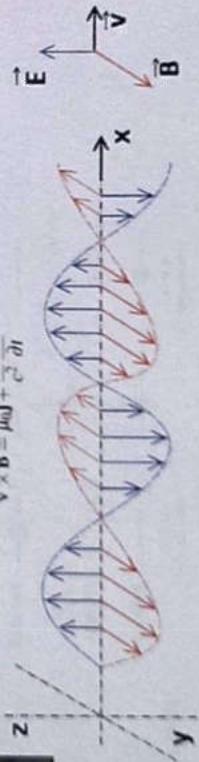


Maxwell's theory



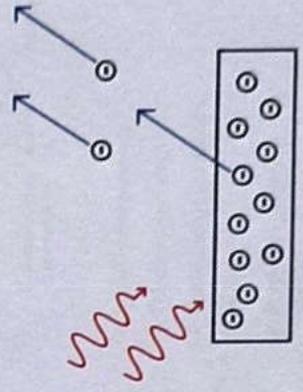
What is oscillating in space??

$$\begin{aligned} \nabla \cdot \mathbf{E} &= \frac{\rho}{\epsilon_0} \\ \nabla \cdot \mathbf{B} &= 0 \\ \nabla \times \mathbf{E} &= -\frac{\partial \mathbf{B}}{\partial t} \\ \nabla \times \mathbf{B} &= \mu_0 \mathbf{j} + \frac{1}{c^2} \frac{\partial \mathbf{E}}{\partial t} \end{aligned}$$

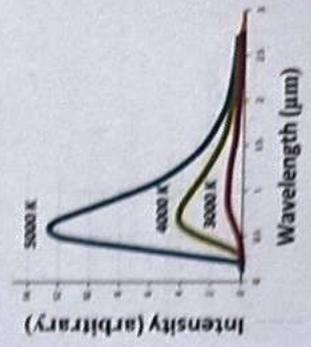


Problems with wave theory of light

Photoelectric effect

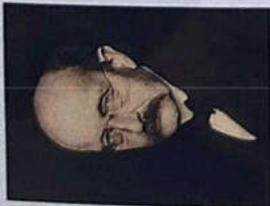


Blackbody radiation



Particle nature of light

Blackbody radiation
Max Planck



Photoelectric effect
Albert Einstein



Compromise !!
Dual nature of light

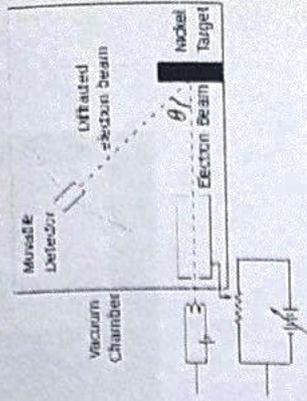
More Bizarre phenomena

Surprise !! Dual nature of matter

Louis de Broglie hypothesis

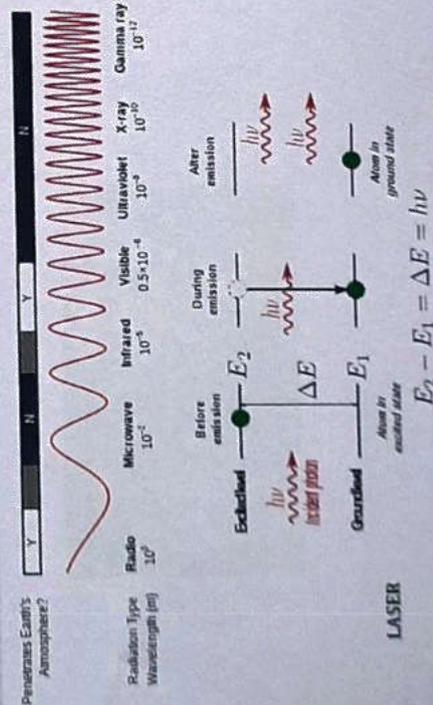


Davission and Germer experiments on electron diffraction



Birth of quantum mechanics and quantum field theory

Spectrum of light



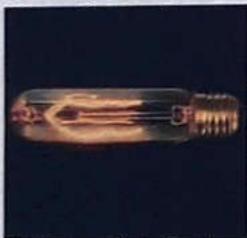
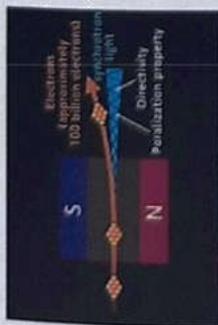
LASER

Applications

- Radio Communications
 - Telecommunications
 - Materials characterization
 - Imaging
 - Properties of matter
- Medical imaging devices
 - Medical treatment devices
 - Defence equipments
 - Invisibility cloak (metamaterials)
 - Quantum computers (yet to realize)



Making Light



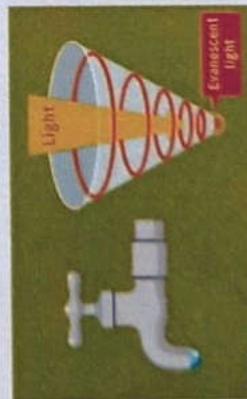
Measuring and Manipulating Light



- > Reflection
- > Refraction



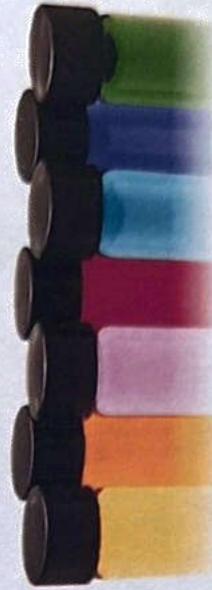
Manipulating Light



- > EvanescentLight



Colour of light



- > Nanotechnology



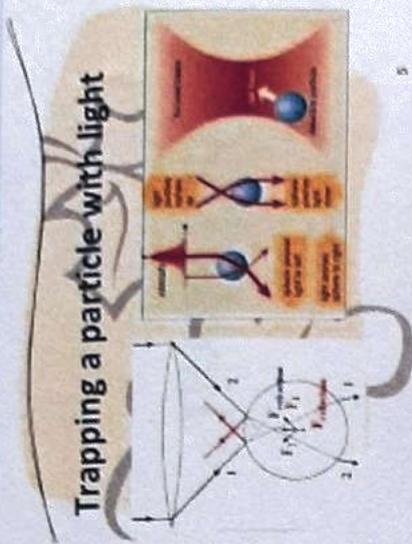
Photonic Crystals



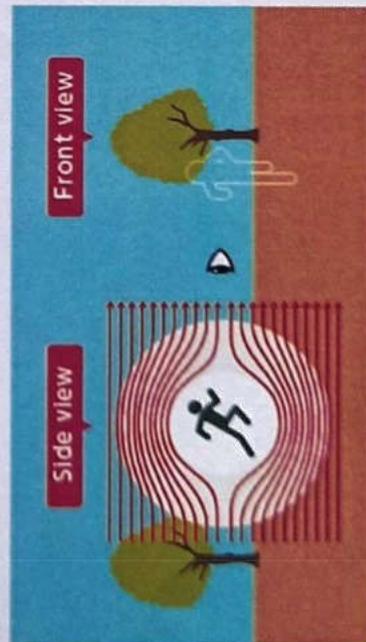
Nanotechnology



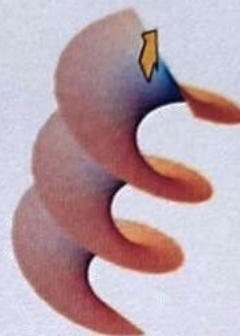
Optical Tweezers



Metamaterials



Twisted Light





- M. Beech, *The Physics of invisibility: A story of light anddeception*
- *Phototerrace.net* produced byHamamatsu
- *Wikipedia and other websites for the figures andimages*

THANK YOU



Speaker Of Session II:

MOHAN PANDURANG SARWADE
ASSO.PROFESSOR & HEAD
UG & PG DEPT OF PHYSICS
D.S.M.COLLEGE, OF SCIENCE PARBHANI
(MAHARASHTRA).

Area of research:

1. Acoustical properties of various binary and ternary liquids using high frequency ultrasonic interferometer.
2. Dielectric properties of solids and liquids using microwave bench.

EXPERIENCE : 31 YEARS

*Prof. MOHANP.
SARWADE*

HEAD

UG AND PG DEPARTMENT OF PHYSICS

DNYANOPASAK SHIKSHAN MANDAL'S COLLEGE
PARBHANI (MAHARASHTRA)

Prof. MOHANP. SARWADE

HEAD

UG AND PG DEPARTMENT OF PHYSICS
DNYANOPASAK SHIKSHAN MANDAL'S COLLEGE
PARBHANI (MAHARASHTRA)

Why do we need writing research paper?

What is research writing?

What should you include in a research writing?

- . **Atitle page**
- . **An abstract**
- . **An introduction**
- . **A methodology section**
- . **Findings/results**
- . **Discussion**

Step 1 – Formulate Your Question

Choose a topic that is interesting to you and relevant to your coursework.

Give yourself as much time as possible to get the work done. Your research may start as a general idea or a specific question, statement or thesis.

Know what you want to focus on before you begin.

Step 2 – Get Background Information

The history of similar experiments or inventions

Definitions of all important words and concepts that describe your experiment

Answers to all your background research plan questions

Mathematical formulas, if any, that you will need to describe the results of your experiment

Step 3 – Focus and Refine Your Topic/construct hypothesis

Step 4 – Research Tools/methods/experiment

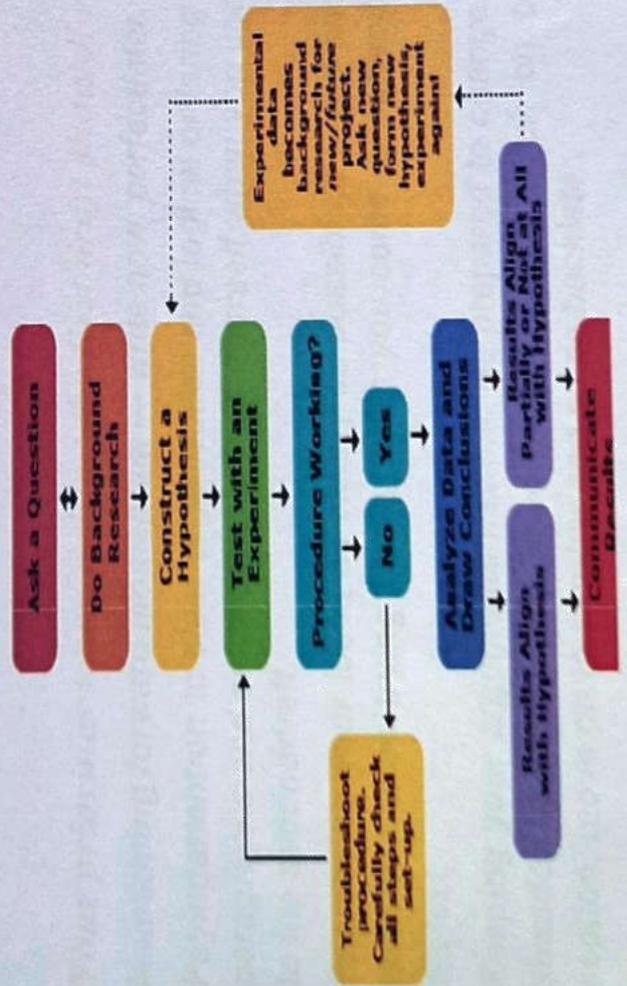
- . **Material list**
- . **Experimental procedure**

Conducting an experiment

5. Analyse Your Data and Draw a Conclusion

- A. Data analysis
- B. Conclusions

6. Communicate Your Results



Preparation for writing a good project report:

1. Understand the assignment

- . Save your work often so you don't lose anything.
- . Read it carefully, looking for anything confusing you might need to clarify with your professor.
- . Identify the assignment goal, deadline, length specifications, formatting and submission method.
- . Timeframe: be realistic, and plan for time to research, write and edit.

Word limit: work with a precise or specific topic to avoid trying to cover too much information.

reader can easily follow your argument.

2. Understand your audience: Write in Technical English

Follow these tips:

Write clear, simple sentences without unnecessary words. Avoid complex language.

Define all acronyms the first time they are used in the paper. Organize your paper logically so that the

3. Your priorities when writing the first draft should be:

Maintaining forward momentum — write now, perfect later.

Paying attention to clear organization and logical ordering of paragraphs and sentences, to help yourself when you come to the second draft.

Expressing your ideas as clearly as possible, so you know what you were trying to say when you come to perfecting the text.

Keeping your arguments flexible. Be prepared to change or abandon arguments if needed. If you get stuck on one section, move on to another and come back later.

Citing clearly — your citations do not need to be perfect yet, but you will save time by including the essentials such as author name, year of publication and page numbers with the relevant information.

4. SECONDDRAFT

If you find that old ideas do not fit as well as you anticipated, you should cut them out or condense them. You might also find that new and well-suited ideas occurred to you during the writing of the first draft — now is the time to make them part

of the paper.

Format of writing:

It should be typed neatly only on one side of the paper with

1.5 or double line spacing on a A4 size paper (210 X 297 mm). The margins should be: left 1.25", right 1".

Top and bottom 0.75".

Total copies and other details

The organization of the report should be as follows

1. Inner title page

Title (use title/sentence case as specified/avoid uppercase), avoid abbreviations in the title. The title should be specific and suitable.

2. Authors name(s): Do not use salutation before the name such as Dr or so. The names can be written in native language.

2. Abstract or Synopsis

3. Acknowledgments

4. Table of Contents

5. List of table & figures numbered in decimal

THANK YOU VERY MUCH

क्यों डरे कि जिंदगी में क्या होगा ,

हर वक्त क्यों सोचें कि बुरा होगा !!

बढ़ते रहे बस मंजीलो कि ओर

हमें कुछ मिलें ना मिलें ,

तजुर्बा तो नया होगा !!

List of registered participants for second webinar on 10th June 2020, Writing Skills in Project report and light matters

Sr.No.	Timestamp	Email address	Name	Gender	Designation	Department	Name of Organisation / Institution and address	Mobile Number
1	06/09/2020 14:22	bsnaraboli@gmail.com	Dr. Basavaraj S. Naraboli	Male	Asst. Professor	Chemistry	Sharanbasveshwar College of Science, Kalaburgi	9535840850
2	06/09/2020 14:31	veenashrichandriki24@gmail.com	VEENASHRI	Female	UG Student	Physics	Sharanabasveshwara college of science kalaburgi	9731464090
3	06/09/2020 14:36	arunbiradar10@gmail.com	ARUNKUMAR BIRADAR	Male	Student	Pcm	SB COLLEGE OF SCIENCE KALBURGI	9380375003
4	06/09/2020 15:25	malipatisa@rediffmail.com	Dr S A Malipatil	Male	Asst. Professor	Electronics	S B college of science kalaburagi	9480149723
5	06/09/2020 15:29	malipatisa@rediffmail.com	Dr S A Malipatil	Male	Asst. Professor	Electronics	S B college of science kalaburagi	9480149723
6	06/09/2020 16:04	swarupa0123@gmail.com	Dr Swaruparani H	Female	Associate professor	Chemistry	Sharanabasveshwar College of Science, Kalaburagi	9880163332
7	06/09/2020 16:43	rkreddy.glb@gmail.com	Dr.B.Ramakrishna Reddy	Male	Assistant Professor	Zoology	Sharnbasveshwar College of Science, Kalaburagi	9900427194
8	06/09/2020 20:08	spharish1974@gmail.com	HARISHARANAP PA S.PADSALGI	Male	Assistant Professor	Computer Science	Sharanabasveshwar College of Science	9741570885
9	06/09/2020 21:08	gurunathnimbalkar@gmail.com	Gurunath L N	Male	Research scollar	Physics	Sharnbasav university	9632668138
10	06/09/2020 21:11	sushmithavadone@gmail.com	SUSHMITHA VADONE V	Female	Assistant Professor	Computer Science	Government First Grade College, Tanikere	9980614976

11	06/09/2020 21:13	bharatipatil812@gmail.com	Bharati Basavaraj	Female	Research scholar	Department of physics	Gulbarga university kalaburgi	9740478781
12	06/09/2020 21:14	mallyalaxmi49@gmail.com	Vijayalaxmi	Female	Scholar	department of physics gulbarga university kalburagi	Gulabarga university kalburgai	9916563516
13	06/09/2020 21:15	ssmagadam.72@gmail.com	Sachin Sub hash Magadam	Male	Assistant Professor	English	Government First Grade College Sadalaga	9902610185
14	06/09/2020 21:15	bhagyavathi17@mail.com	BHAGYAVATHI. H. R	FEMALE	Assistant Professor	Sociology	Government First Grade College Hungund Taluk Bagalkote District	9886147275
15	06/09/2020 21:19	krutivasu1977@gmail.com	Vasudev	Male	Lecturer	Chemistry	Gurukul ind.pu.college	9900563595
16	06/09/2020 21:21	ashokpatelk1986@gmail.com	ASHOK KL	Male	Assistant professor	Commerce	Government First Grade College,Arehalli. Belur taluk,Hassan	9916213889
17	06/09/2020 21:25	rohnikumarhilli@yahoo.com	Rohinikumar Hilli.S.	Male	Associate Professor in Physics	Physics	A.V.Patil Degree College of Arts, Science & Commerce,Aland,Dt.Kalabur	9886279191
18	06/09/2020 21:31	lokimgd90@gmail.com	LOKESH BR	Male	Assistant Professor	Commerce	YDD Government First Grade College, Belur.	9164497422
19	06/09/2020 21:31	anjilibabshetty1996@gmail.com	Anjali Babshetty	Female	Reacher scholar	Physics	Shambasva university	9739753041
20	06/09/2020 21:36	banagararun@gmail.com	Arunkumar V.Banagar	Male	Assistant Professor	Physics	Government First Grade College Shahapur	9972082126
21	06/09/2020 21:40	cpk16@gmail.com	Laxmikant c Panchal	Male	Assistant professor	Collegiate Education	Government First Grade College Bidar	9611937416
22	06/09/2020 21:50	shanthakumarib@gmail.com	SHANTHAKUMA RI B S	Female	Assistant Professor	Management	Government First Grade College, Channarayapatna	9945728209

23	06/09/2020 21:54	naseemfatima030@gmail.com	NASEEM FATIMA	FEMALE	ASSISTANT PROFESSOR	PHYSICS	GOVERNMENT COLLEGE (AUTONOMOUS), SEDAM ROAD KALABURAGI	8904579688
24	06/09/2020 21:54	arunkumar.hs20@gmail.com	ARUNKUMAR HS	Male	Assistant Librarian	Library and information centre	Karnataka Sanskrit University, Bangalore	9008507180
25	06/09/2020 22:05	suresh.pmath@gmail.com	Suresh Palarimath	Male	Lecturer	Information Technology	Salalah College Of Technology, Salalah-Oman	96894469368
26	06/09/2020 22:05	prabhavatipatil678@gmail.com	Dr. Prabhavati	Female	Asst. Professor	Zoology	Shambasva University Kalaburagi	9611789787
27	06/09/2020 22:06	veenashrichandriki24@gmail.com	VEENASHRI	Female	Ug Student	Physics	Sharanabasheshwara college of science kalaburgi	9731464090
28	06/09/2020 22:12	ashwini.nbd@gmail.com	Ashwini	Female	pH.D	Physics	Department of physics GUK	7760806607
29	06/09/2020 22:13	rajole97@gmail.com	Pradeep Manikrao Rajole	Male	Lecturer	Physics	CSM College Bhalke	9.19743E+11
30	06/09/2020 22:15	vivekhodai4222@gmail.com	Vivekanand	Male	Student	MSc Physics	Shambasva University Kalaburagi	7483112797
31	06/09/2020 22:22	jayashrikolya@yahoo.com	Dr. Jayashri K	Female	Assistant Professor	Political Science	GFGC Sullia Dakshina Kannada	9449065763
32	06/09/2020 22:23	hiremathnagajyoti79@gmail.com	NAGAJYOTI	FEMALE	ASSISTANT PROFESSOR	PHYSICS	GOVT FIRST GRADE COLLEGE KALAGI	9972084494
33	06/09/2020 22:24	sateeshg1970@gmail.com	Satish	Male	Lecturer	Department of physics	Disha college	9035225151
34	06/09/2020 22:36	brunda.h03@gmail.com	Brunda Hiremath	Female	Student	Physics	Sharanabasheshwar college of science, Kalaburagi	8951907792

35	06/09/2020 22:46	bdmalipatil123@gmail.com	B. D. Malipatil	Male	Asso Prof	Physics	S. B. Science College Gulbarga	9964663077
36	06/09/2020 23:00	rathnaad7@gmail.com	Puttarathamma D	Female	Assistant Professor	Department of Home Science	Government Home Science College	7204626494
37	06/09/2020 23:10	gnlokesh16@gmail.com	LOKESH G. H.	Male	Assistant Professor	Physics	G. F. G. C. Holenarsipura, Hassan District	9945118938
38	06/10/2020 8:05	basavarajhnimbure@gmail.com	Basavaraj H. Nimbure	Male	Assistant Professor	Dept. of Physics	Government Arts and Science College Karwar	9901526561
39	06/10/2020 8:09	chivukulasnik@gmail.com	Dr Chivukula Srikanth	Male	Assistant Professor	Physics	Govt College (Kalaburagi)	9019191816
40	06/10/2020 8:09	vijayashreepatiln@gmail.com	SMT VIJAYSHREE PATIL N	FEMALE	ASST PROFESSOR	PHYSICS	GOVT FIRST GRADE COLLEGE NEAR DC BUNGALOW LINGASUGUR	9972833300
41	06/10/2020 8:14	vijayashreepatiln@gmail.com	SMT VIJAYSHREE PATIL N	FEMALE	ASST PROFESSOR	PHYSICS	GOVT FIRST GRADE COLLEGE NEAR DC BUNGALOW RAICHUR	7760977621
42	06/10/2020 9:03	vijjatalvar456@gmail.com	Vijay Kumar	Male	Assistant professor	Physics	LVD College Raichur	7204862915
43	06/10/2020 9:18	nandinichangleri1999@gmail.com	Nandini	Female	No	Physics	Saranbashwewaea college of science	9606559263
44	06/10/2020 9:23	shivakumartvb@gmail.com	Trimbak Biradar	Male	Asst. Professor	Mathematics	S B Science College	9480149091
45	06/10/2020 9:29	ashwini.nbd@gmail.com	ASHWINI APPARAO	Female	Ph.D	Physics	Department of physics, Gulbarga University Kalburagi	7760806607
46	06/10/2020 10:15	siri.mahendra55@gmail.com	MAHENDRA A C	Male	Assistant Professor	Collegiate education department	GFGC Kuderu	9902680708

47	06/10/2020 10:50	latadevikarikal@gmail.com	Dr. Latadevi S Karikal	Female	Assistant professor	Botany	Sharanabasveshwar College of Science Kalaburagi	8861190330
48	06/10/2020 10:52	shailahiremath369@gmail.com	Shaila Hiremath	Female	Assistant professor	Botany	Sharanabasveshwar college of science kalaburagi	9900393298
49	06/10/2020 10:57	sudhakarjanawadkar@gmail.com	Sudhakar Janawadkar	Male	Associate Professor	Physics	Karnataka arts science and commerce college Bidar	9.19449E+11
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51	06/10/2020 11:13	chitraalur19@gmail.com	Dr Chitralekha Alur	Female	Ass professor	Physics	S B college of Science Kalburgi	9481261964
52	06/10/2020 11:21	poojachannappgol883@gmail.com	Pooja channappgol	Female	Research scholar	physics	Sharanbasva university	8904918883
53	06/10/2020 11:33	sahyadriramesh@gmail.com	Dr. Ramesh K B	Male	Assistant Professor	Chemistry	Sharanbasveshwar College of Science Kalaburagi-585103	8105673061
54	06/10/2020 11:38	anubhasangam1960@gmail.com	ANUBHAVA SANGAMA	SOCIO-SPRITUAL ORGANISA	TRUST(R)	MATTER AND ENERGY	MAHAJAGADGURU BASAVANNA CHARITABLE TRUST(R)	8431939380
55	06/10/2020 13:02	jagadevigudda@gmail.com	Dr. Jagadevi C Gudda	Female	Assistant professor	Electronics	Sharnbasveshwar college of science Kalaburagi	9481171872
56	06/11/2020 11:46	ranoji12shikkargol@gmail.com	Dr R k shikkargol	Male	Asso prof	Chemistry	S. B. College of Science ,Kalaburagi	9900534651
57	22/06/2020 22:39:54	geetayargal1999@gmail.com	Puttamma.Basava raj. Yaragal	Female	Student	CBZ	S. B. College of science	7483640879
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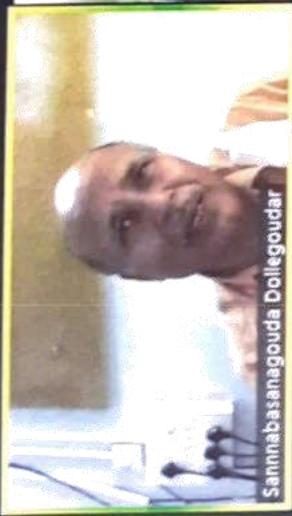
Feedback Form responses of secon webinar conducted on 10th June 2020, Writing skill in project report and light matters

Sr.No.	Timestamp	Email address	Name	Gender	Designation	Department	Name of Organisation / Institution and address	Mobile Number	Feedback of first session	Feedback of second session
1	06/09/2020 14:22	bsnaraboli@gmail.com	Dr. Basavaraj S. Naraboli	Male	Asst. Professor	Chemistry	Sharanbasveshwar College of Science, Kalaburgi	9535840850	good	very good
2	06/09/2020 14:31	veenashrichandriki24@gmail.com	VEENASHRI	Female	UG Student	Physics	Sharanabasveshwar college of science kalaburgi	9731464090	excellent	excellent
3	06/09/2020 14:36	arunbiradar10@gmail.com	ARUNKUMAR BIRADAR	Male	Student	Pcm	SB COLLEGE OF SCIENCE KALBURGI	9380375003	excellent	good
4	06/09/2020 15:25	malipatisa@rediffmail.com	Dr S A Malipatil	Male	Asst. Professor	Electronics	S B college of science kalaburagi	9480149723	very good	excellent
5	06/09/2020 16:04	swarupa0123@gmail.com	Dr Swaruparani H	Female	Associate professor	Chemistry	Sharanabasveshwar College of Science, Kalaburagi	9880163332	excellent	very good
6	06/09/2020 16:43	rkreddy.glb@gmail.com	Dr. B. Ramakrishna Reddy	Male	Assistant Professor	Zoology	Sharnbasveshwar College of Science, Kalaburagi	9900427194	very good	good
7	06/09/2020 20:08	spharish1974@gmail.com	HARISHARANAPPA S.PADSALGI	Male	Assistant Professor	Computer Science	Sharanabasveshwar College of Science	9741570885	good	#VALUE!
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10	06/09/2020 21:13	bharatipatil812@gmail.com	Bharati Basavaraj	Female	Research scholar	Department of physics	Gulbarga university kalaburgi	9740478781	very good	excellent
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13	06/09/2020 21:15	bhagyavathi17@mail.com	BHAGYAVA THI. H. R	FEMALE	Assistant Professor	Sociology	Government First Grade College Hungund Hungund Taluk	9886147275	excellent	excellent
14	06/09/2020 21:19	kruivasu1977@gmail.com	Vasudev	Male	Lecturer	Chemistry	Gurukul ind.pu.college	9900563595	excellent	good
15	06/09/2020 21:21	ashokpateik1986@gmail.com	ASHOK KL	Male	Assistant professor	Commerce	Government First Grade College,Arehalli, Belur taluk, Hassan	9916213889	very good	excellent
16	06/09/2020 21:25	rohinikumarthilli@yahoo.com	Rohinikumar Hilli.S.	Male	Associate Professor in Physics	Physics	A.V.Patil Degree College of Arts, Science & Commerce,Aland,Dt.Kala	9886279191	excellent	very good
17	06/09/2020 21:31	lokimgd90@gmail.com	LOKESH BR	Male	Assistant Professor	Commerce	YDD Government First Grade College, Belur.	9164497422	very good	good
18	06/09/2020 21:31	anjaliabshetty1996@gmail.com	Anjali Babshetty	Female	Reacher scholar	Physics	Sharnbasva university	9739753041	excellent	excellent
19	06/09/2020 21:36	banagararun@gmail.com	Arunkumar V.Banagar	Male	Assistant Professor	Physics	Government First Grade College Shahapur	9972082126	excellent	good
20	06/09/2020 21:40	cpik16@gmail.com	Laxmikant c Panchal	Male	Assistant professor	Collegiate Education	Government First Grade College Bidar	9611937416	very good	excellent
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22	06/09/2020 21:54	naseemfatima030@gmail.com	NASEEM FATIMA	FEMALE	ASSISTANT PROFESSOR	PHYSICS	GOVERNMENT COLLEGE (AUTONOMOUS), SEDA	8904579688	very good	good
23	06/09/2020 21:54	arunkumar.hs20@gmail.com	ARUNKUMA R H S	Male	Assistant Librarian	Library and information centre	Karnataka Sanskrit University, Bangalore	9008507180	excellent	very good
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28	06/09/2020 22:15	vivekhodai4222@gmail.com	Vivekanand	Male	Student	MSc Physics	Sharnbasva University Kalaburagi	7483112797	excellent	very good
29	06/09/2020 22:22	jayashnikolya@yahoo.com	Dr. Jayashri K	Female	Assistant Professor	Political Science	GFGC Sullia Dakshina Kannada	9449065763	excellent	excellent
30	06/09/2020 22:23	hiremathnagajyoti79@gmail.com	NAGAJYOTI	FEMALE	ASSISTANT PROFESSOR	PHYSICS	GOVT FIRST GRADE COLLEGE KALAGI	9972084494	excellent	good
31	06/09/2020 22:24	sateeshg1970@gmail.com	Satish	Male	Lecturer	Department of physics	Disha college	9035225151	very good	excellent
32	06/09/2020 22:46	bdmalipatil123@gmail.com	B. D. Malipatil	Male	Asso Prof	Physics	S. B. Science College Gulbarga	9964663077	excellent	very good
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35	06/10/2020 8:05	basavarajhimbure@gmail.com	Basavaraj H. Nimbure	Male	Assistant Professor	Dept of Physics	Government Arts and Science College Karwar	9901526561	excellent	good
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37	06/10/2020 8:09	vijayashreepatiln@gmail.com	SMT VIJAYSHRE E PATIL N	FEMALE	ASST PROFESSOR	PHYSICS	GOVT FIRST GRADE COLLEGE NEAR DC BUNGALOW	9972833300	excellent	very good
38	06/10/2020 8:14	vijayashreepatiln@gmail.com	SMT VIJAYSHRE E PATIL N	FEMALE	ASST PROFESSOR	PHYSICS	GOVT FIRST GRADE COLLEGE NEAR DC BUNGALOW RAICHUR	7760977621	excellent	excellent
39	06/10/2020 9:03	vijutalvar456@gmail.com	Vijay Kumar	Male	Assistant professor	Physics	LVD College Raichur	7204862915	excellent	good
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48	06/10/2020 11:33	sahyadhiramesh@gmail.com	Dr.Ramesh K B	Male	Assistant Professor	Chemistry	Sharanabasaveshwar College of Science Kalaburagi-585103	8105673061	very good	excellent
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Sannabasanagouda Dollegoudar

Veenashri Chand...



HP

MAHENDRA A C

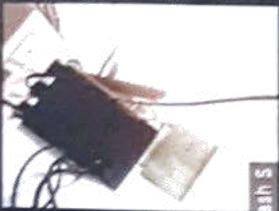
Bharati Basavaraj



MOHAN PANDURANG SARWADE

Jagadevi Gudda

Bharat



Dr. Omprakash S

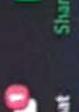
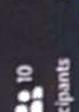
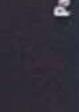
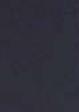
Ashwini Apparao



Unmute



Stop Video



Participants 10

Chat

Share Screen

Record

Reactions

Leave

Unmute Stop Video Participants 10 Chat Share Screen Record Reactions Speaker/Headphone (Realtek High Definition A... 100 1:46 PM

Veenashri Chan... MAHENDRA A C

Ashwini Apparao Dr. Omprakash

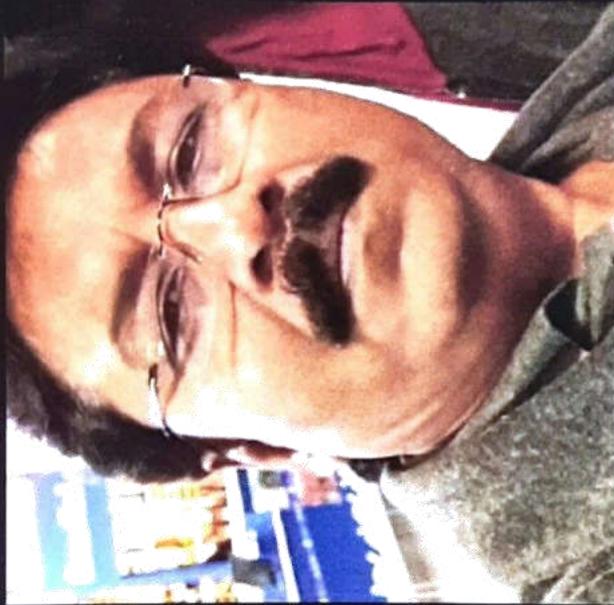
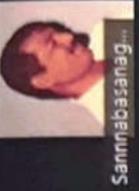
MOHAN PANDU... HP

Samnabasanagouda Dollegoudar

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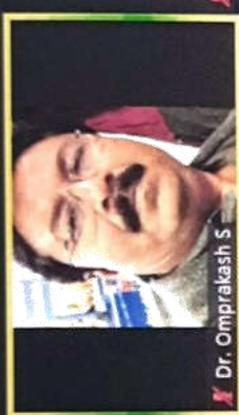


Dr. Chitralekha...



Dr. Omprakash S





Rekha.M. Heroor

Shilpa javaji

KARANAM AJIT ...

Vijayalaxmi

Dr. Girija Mangal...

Raghunanda Hal...

Pooja Nagabhus...

Ashwini Apparao

Dr jayashree c

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Mute

Stop Video

Security

Participants 14

Chat

Share Screen

Record

Reactions

End



Sharanabasaveshwar College of Science

(Diamond jubilee Celebrated ISO Certified)

Kalaburagi - 585 103, Karnataka

Department of Physics

One Day National Webinar

ON

" Writing Skills in Project Report & Light Matters "

Certificate

This is to certify that Dr./Prof./Mr./Ms.....

of.....

has participated in One Day National Webinar on " Writing Skills in Project Report & Light Matters " under IQAC initiative & organized by Department of Physics on 10th June 2020 at Sharanabasaveshwar College of Science, Kalaburagi, Karnataka.

Dr. Omprakash S.
IQAC Coordinator &
Organizing Secretary

Dr. T. V. Biradar
Academic Activities
Coordinator

PRINCIPAL
(Dr. S.G. Dollegoudar)



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