

**MARKANDA NATIONAL COLLEGE
SHAHABAD MARKANDA**

NAAC Re-Accredited Institute with Grade B



SCIENCE DEPARTMENT

organizes

**DGHE, Panchkula Approved One Day National Science
Webinar**

on

***New Frontiers in Science and
Technology***

Saturday, March 19, 2021

10:00 a.m. – 04:00 p.m.

ABOUT THE COLLEGE

Markanda National College, Shahabad- Markanda was established in 1971 by M.N. College Educational Society primarily to cater to the educational needs of this predominantly rural area. At that time, no college existed at Ladwa and even at Kurukshetra - the seat of Kurukshetra University, except University College, which had only brilliant urban students on its rolls. The establishment of this college proved to be a boon for this area. Ever since its inception, this college has not looked back and making significant strides, it has developed into a multifaculty institution, imparting instructions in English at Post-graduate level and in Arts, Science and Commerce Streams at undergraduate level. The college also runs successfully PG diploma in Yoga and two job-oriented add-on courses (i) Retail Management and (ii) Information and computer technology. The college is a co-educational institution affiliated to Kurukshetra University, Kurukshetra and it is proud of its imposing infrastructure and an environment conducive to learning. It has a spacious building surrounded by lush green lawns and two playgrounds. The building consists of well-maintained class rooms, well equipped labs (Physics, Chemistry, Computer and Edusat), a spacious Library, a conference room, an auditorium with three green rooms, a seminar Hall, a big canteen, modern girls' common room, besides office complex and Principal's residence. Besides traditional subjects, faculty is available for teaching Marketing as vocational subject. The college is also running NSS and NCC units successfully.

OBJECTIVES OF WEBINAR

- To provide online interaction among students, teachers and learned scientists
- To highlight importance of sciences and technology in the high-tech modern world and Post COVID-19 Era.
- To stimulate young minds towards wonders and challenges in sciences and technology of modern era
- To spread awareness among students about career prospects in science and technology.
- To build a scientific temper among young minds.
- To spread awareness among students about the recent advances in technology based on physical and chemical sciences.
- To discuss the impact of information and computer technology (ICT) tool physical and chemical sciences.
- To explore the recent applications in the field of medical sciences

CONFERENCE DETAILS

Themes:

- Green Chemistry
- Chemistry in Daily Life
- Spectroscopic Techniques
- Advancements in Nanotechnology
- Development in Inorganic and Organic Synthesis
- Physico-Chemical Properties of Materials
- Electrochemistry
- Non-linear Dynamics
- Natural and Artificial Radioactivity
- Radiation Induced Modifications in Materials
- Renewable sources of energy
- Computational techniques in of Science and Technology
- Mission Mangal: Dream of India
- Mystery of Space
- Applied Mathematics & Engineering: Modeling Analysis and Computation
- Mathematical Methods in optics & Electromagnetic
- Intellectual Properties (IPs) in Science and Technology

Research Paper Details:

Research papers based on above sub-themes of the topic are invited. Selected Papers will be published in UGC Listed Peer-Reviewed Journal with ISSN or conference proceedings with ISBN.

- The abstract should not exceed 200 words including the title of the paper.
- Full length papers should be between 2000-3000 words.
- Soft copy of the paper should be sent by email to papers@mncshahabad.com latest by 19th February 2021.

Note:

- Paper must be typed in 12 Font, Times New Roman with line spacing 1.5 in MS Word format. Title must be in 14 Font, Times New Roman.
- References must follow the latest APA/MLA standards.

Account Details for Registration and Paper Processing Fee:

- Account Holder Name: Markanda National College
- Account Number: 0422010100000291
- Bank & Branch: Punjab National Bank, Shahbad M N College Branch
- IFSC: PUNB0481100
- MICR Code: 136024103

REGISTRATION DETAILS

Participants are required to register online at <https://bit.ly/3kjK1M9> latest by 18th March 2021.

- Registration for the participants is mandatory.
- Registration fee is Rs. 100/- only for participation and Rs. 500/- for paper publication processing fee.
- Participants will be provided E-Certificate.
- Detailed schedule & Link for joining the webinar will be shared later.
- Webinar Platform will be Google Meet.

Convener
Dr. Jawahar Lal

Co-Convener
Suresh Kumar

Patron and Principal
Dr. Ashok Kumar

Organizing Secretary
Dr. Amit Kumar

Organizing Secretary
Dr. Tarun Kansal

Organizing Committee

Ms. Manju Gupta, Associate Professor
Dr. Sanjay Kumar, Associate Professor
Mr. S. S. Kajal, Associate Professor
Ms. Kalpna, Assistant Professor

Dr. Bhupinder Tanwar, Assistant Professor
Dr. Ajay Kumar Arora
Ms. Anita Rana
Ms. Chahat

***For further queries you may call us at 9812351248, 9253010657, 9416348170**

11.01.18

R. D. Singh
प्रेषक

महानिदेशक , उच्चतर शिक्षा हरियाणा,
शिक्षा सदन, सैक्टर - 5, पंचकूला।

सेवा में

प्राचार्य
मारकन्डा नैशनल कॉलेज
शाहबाद मारकन्डा (कुरुक्षेत्र)

यादी क्रमांक: DHE-170008/30/2020-NPE-DHE
दिनांक पंचकूला: 19.02.2021

Subject:- Regarding organization of online Science Webinar without Financial-Support.

उपरोक्त विषय पर आपके पत्र क्रमांक MNC/121/101 दिनांक 22.01.21 के संदर्भ में।

विषयांकित मामले में आपको "New Frontiers in Science and Technology" विषय पर दिनांक 20.02.2021 को वैबिनार करवाने की अनुमति प्रदान की जाती है।

R. D. Singh
अधीक्षक एन०पी०ई०
कृते: महानिदेशक उच्चतर शिक्षा
हरियाणा, पंचकूला

One Day National Science Webinar organized on 19.03.2021

Details of Registration Fee

S. No	Name	Institute's Name and Address	Transaction ID	Amount
1	Dr. Devender	Aggarwal College, Fardabad	434000107629125	500
2	Sweta chauhan	Ganga technical campus,soldha ,bahadurgarh	P2103081536399659994520	100
3	Mr. Vijai kumar	Ganga Technical Campus	T2103101426499559514779	100
4	Ms aarti bansal	Ganga technical campus soldha	ID Missing	100
5	Mr. Lalit Mohan	B.S.A (P.G.) College	T2103131115269113237655	100
6	Ms. SUMAN CHOUDHRY	Government College for Women, Kamal	107511654437	100
7	Mr. Amit Kumar	Pt.CLS.Govt.College	107556882926	100
8	Dr. S. B. Bhardwaj	Pt. C. L. S. Government College, Karnal	107521053948	100
9	Sh. Nitin Kumar Verma	Rajiv Gandhi Government College, Saha (Ambala)	IMPS00156013706	100
10	Dr. Hardeep Anand	Chemistry Department Kurukshetra University	107613060480	100
11	Mr. Sandeep singh		107706882746	100
12	Ms. HARNNEET KAUR	Government P.G. College, Ambala Cantt	IMPS/p2a/1077127841	100
13	Dr Anshul Bansal	S A Jain College, Ambala City	IRP2783595	100
14	Ms. kavita	Guru nanak khalsa college karnal,railway road	T2103181321132424599253	100
15	Ms. Nikita Adya	Guru Nanak College Of Education Gopalpur (Ludhiana) Punjab	Through Bank	100
16	Mr. Siddhant	Markanda National College	107714370555	100
17	Dr. Sanjay Sharma	Markanda National College,Shahabad Markanda	107714353723	100
18	Mr. Gurmeet Kumar	Jawahar Navodaya Vidyalaya Suratgarh	107716186132	100
19	Dr. Ashu Chaudhary	Department of Chemistry Kurukshetra University, Kurukshetra	T2103181705114242374675	100
20	Ms. Jyoti	UIET, Kurukshetra University, Kurukshetra	T2103181717278873903013	100
21	Dr. Chuhar Singh	Markanda National College Shahabad Markanda	107717017834	100
22	Mr. RAJAT PARKASH	Nit kurukshetra, haryana	107717146146	100
23	Dr Priyanka	Govt P G College Ambala Cantt	107719818107	100
24	Dr. Ajay Kumar Arora	Markanda National College	107719404474	100
25	Ms. Gurvinder Kaur	Guru Nanak Khalsa College, Yamuna Nagar	107719187209	100
26	Mr. Vinod Kumar	Department of Chemistry, Kurukshetra University, Kurukshetra	107721786654	100
27	Dr. Ashok Kumar	D.A. V. College , Pehowa	T2103182130409601460722	100
28	Dr. Neha Batra	AGGARWAL COLLEGE BALLABGARH	ID Missing	100
29	Dr. Satish	Hindu college sonipat	301379383	100
30	Dr. Nadia Chowhan	KVA DAV College For Women, Railway Road, Karnal	107722544425	100
31	Ms. Nidhi Kattar	UIET	107723922925	100
32	Ms. Kavya Kukreja	Goswami Ganesh Dutta Sanatan Dharma ,Chandigarh	ID Missing	100
	Dr. Diya	M. N. College Shahabad(M)	IMPS107807694514	100
	Pravesh Kumar	BPSMV regional center krishan nagar, rewari	107809882297	100
	Pupinder Tanwar	Markanda national college Shahabad (M)	107810801840	100

36	Ms Bhavini Tejpal	Markanda National College, Shahbad Markanda	Through Bank	100
37	Dr Prachi Arora	Shahbad Markanda	Through Bank	100
38	Manju gupta	M N College Shahbad Markanda	Through Bank	100
39	Dr Krishan Kumar	Sanatan Dharma College, Ambala Cantt	1078132164243	100
40	Dr Poonam Swatch	Aya Kanya Mahavidyalaya, Shahbad (M)	107317157872	500
41	Dr Nisha Mann	Pt CLS Government College, Sector 14, Karnal	107410399947	500
42	Dr Aarti Trehan	Kanya Mahavidyalaya, Shahbad (M)	107562296968	500
43	Mr Suresh Kumar	Markanda national College, Shahbad Markanda	107613156694	500
44	Mr Sanjeev Kumar	Government (College for Women, Karnal, Haryana	107511924837	500
45	Ms Sudesh Kumar	Aya P G College, Panipat	107617482614	500
46	Ms DURGE SH	Government College for Women, Karnal, Haryana	T2103171159118021496638	500
47	Dr Recha Rani	Government College, Bhuna 125111, India	301207032	500
48	Dr Hema Sukhija	Aya Kanya Mahavidyalaya, Shahbad (Markanda)	107711910668	500
49	Dr Santosh Dubey	Institute of Integrated and Honors Studies	UAO368264240	500
50	Ms Pervinder Kaur	Rajiv Gandhi Govt College Sahal (Ambala)	107700077666	500
51	Dr JAI PAL	S D College Ambala Cantt(Hr)	33329600256	500
52	Mr Subhash	Kurukshetra University, Kurukshetra Haryana-136119	T2103181408571885721259	500
53	Dr Jyoti Rozra	Pt CLS Govt College Karnal	107714555068	500
54	Ms Pinki	Kurukshetra University, Kurukshetra Haryana (136119), India	107700503483	500
55	Dr Ashima Gakhar	KVA DAV College For Women, Karnal, Haryana	N077211443903534	500
56	Dr Satish Kumar	Institute of Integrated & Honors Studies, Kurukshetra University	107616653397	500
57	Ms SONIA	I B P G COLLEGE PANIPAT	Through Bank	500
58	Dr Rajvee Kumar (R Kumar)	NIILM University, Kaithal	107718861146	500
59	Ms Richa	NIILM University, Kaithal Haryana	107710094365	500
60	Dr Vikram Kumar	I B College, Panipat G T Road Panipat-132103, Haryana	107719492990	500
61	Dr Sonam Rani	Babu Anant Ram Janta College Kaul	1077205668337	500
62	Mrs Geetika	Saini co-education college, Rohtak	AXMB210776679807	500
63	Dr AMIT KUMAR	INDIRA GANDHI NATIONAL COLLEGE, LADWA, KURUKSHETRA	T2103182125507283005089	500
64	Ms. Kamna Khelrpal	Vinayak College of Polytechnic, Kachhwa karnal-132001	T2103182151296708287857	500

65 Dr. Navneet Kaur S.A Jain College, A/City

IRP 9782888

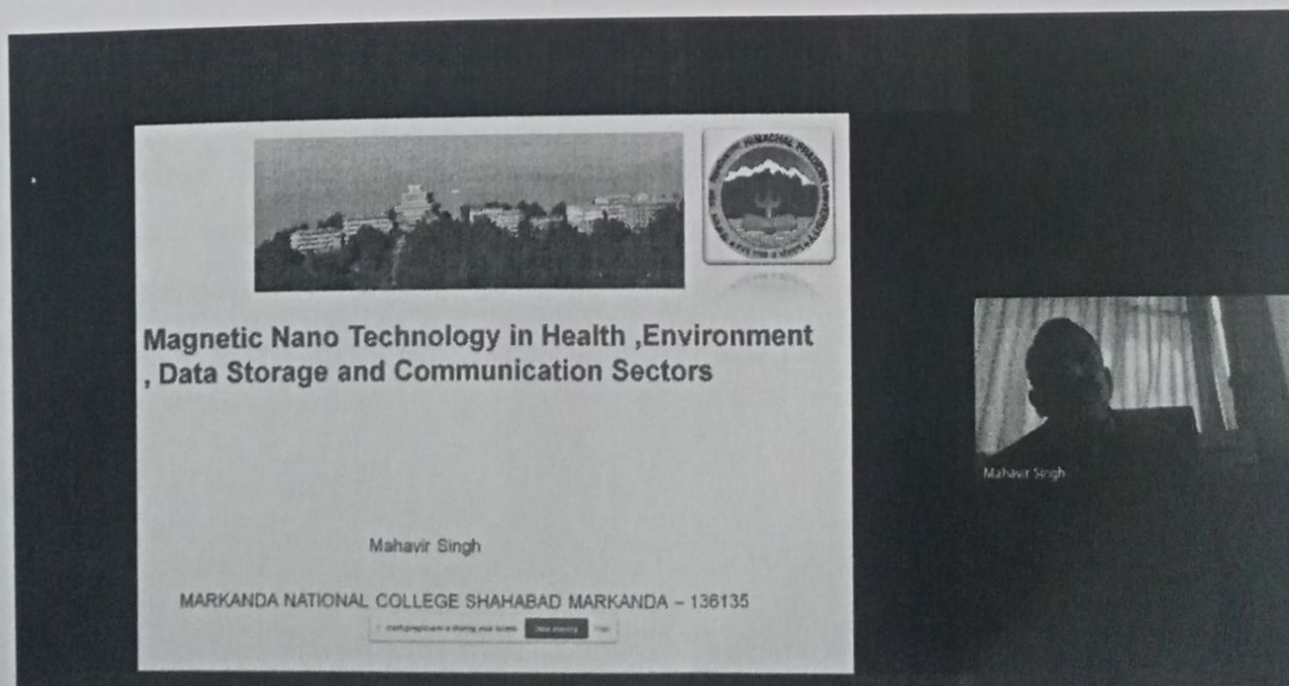
Convenor
Dr. Jawahar Lal

500

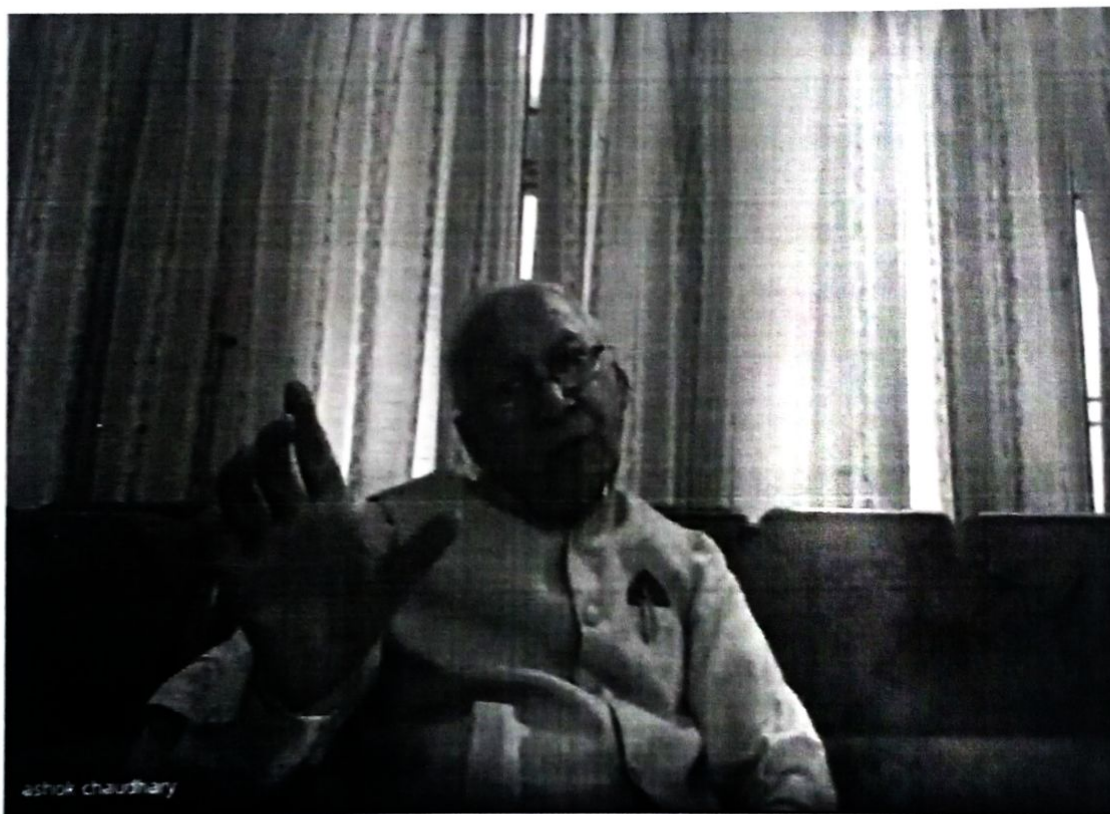
Report of the Webinar

Department of Science Markanda National College, Shahabad Markanda organized One day DGHE approved National Webinar on the topic “**New Frontiers in Science and Technology**”. The topic is relevant to today’s scenario of science and technology. The program started with the blessings of Goddess Maa Saraswati with Saraswati Vandana to pray for kindness of human being and to inculcate light and wisdom. Dr. Ashok Kumar, Principal of the college extended warm welcome to Chief Guest, Keynote Speaker, all resource persons, Professors, Teachers, Research Scholars from different institutions and students who were present in the online webinar. Dr. Amit Kumar, Organizing Secretary, introduced the Chief Guest Dr. Kuldip Singh Dhindsa, Eminent Scientist and Keynote Speaker Prof. Mahavir Singh from H.P. University, Shimla among the delegates. Dr. Amit Kumar shared the information more than 100 participants joined the webinar from different institutes like IITs, NITs, universities and Colleges. Some delegates were also from different states of the India. 34 Research papers presented by the delegates in this webinar through online mode on Frontiers of Science and Technology on different subthemes relevant to subjects such as Physics, Chemistry, Mathematics and Computer Science and Environmental Sciences.

Dr. Mahavir Singh presented his valuable informative talk among the delegates and described about the Magnetic Nano Materials and their use in Health sectors, Data handling, and Communication sector as well as in daily life. He discussed about synthesis of Nano Materials which are very helpful in different areas of research.

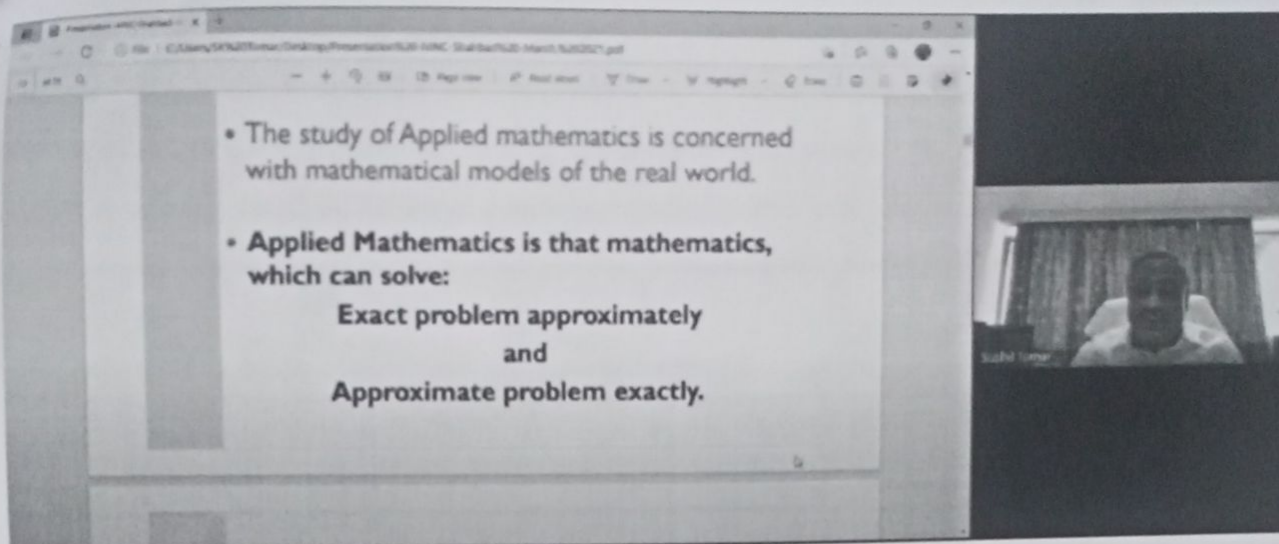


Dr. Kuldip Singh Dhindsa was the Chief Guest in this webinar. He congratulated the organizing team, Principal and Management of Markanda National College and discussed about the necessity of science and technology in the progress of the country. He discussed about the change in climate, weather and environment because they open the next windows and doors for the new researchers.



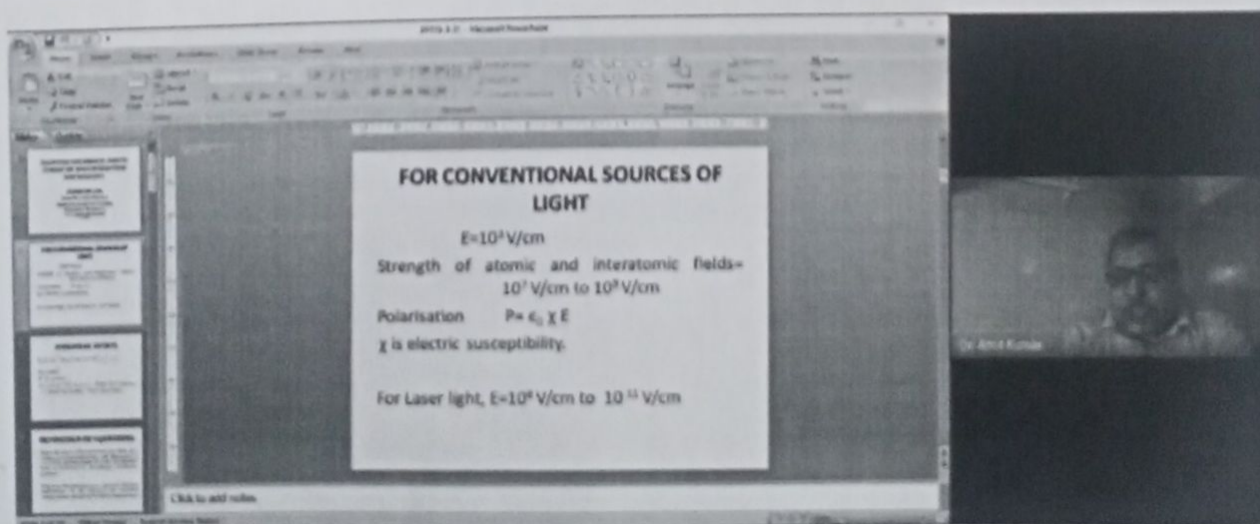
Dr. Jawahar Lal, Convener of the webinar highlighted the objectives of the webinar. He explained the use of science and technology in Physical, Medical and Chemical Sciences.

In the first technical session, Prof. S. K. Tomar, Department of Mathematics, Panjab University Chandigarh, delivered the invited talk. He told about the applications of Mathematics in Science and Technology. He defined mathematics in a new way. According to him, Mathematics is something like beauty, which cannot be expressed in words easily. It is an inherent realization which comes out in the form of symbolic properly. Symbols are like the "blood cells of Mathematics". This session was conducted by Dr. Jawahar Lal.



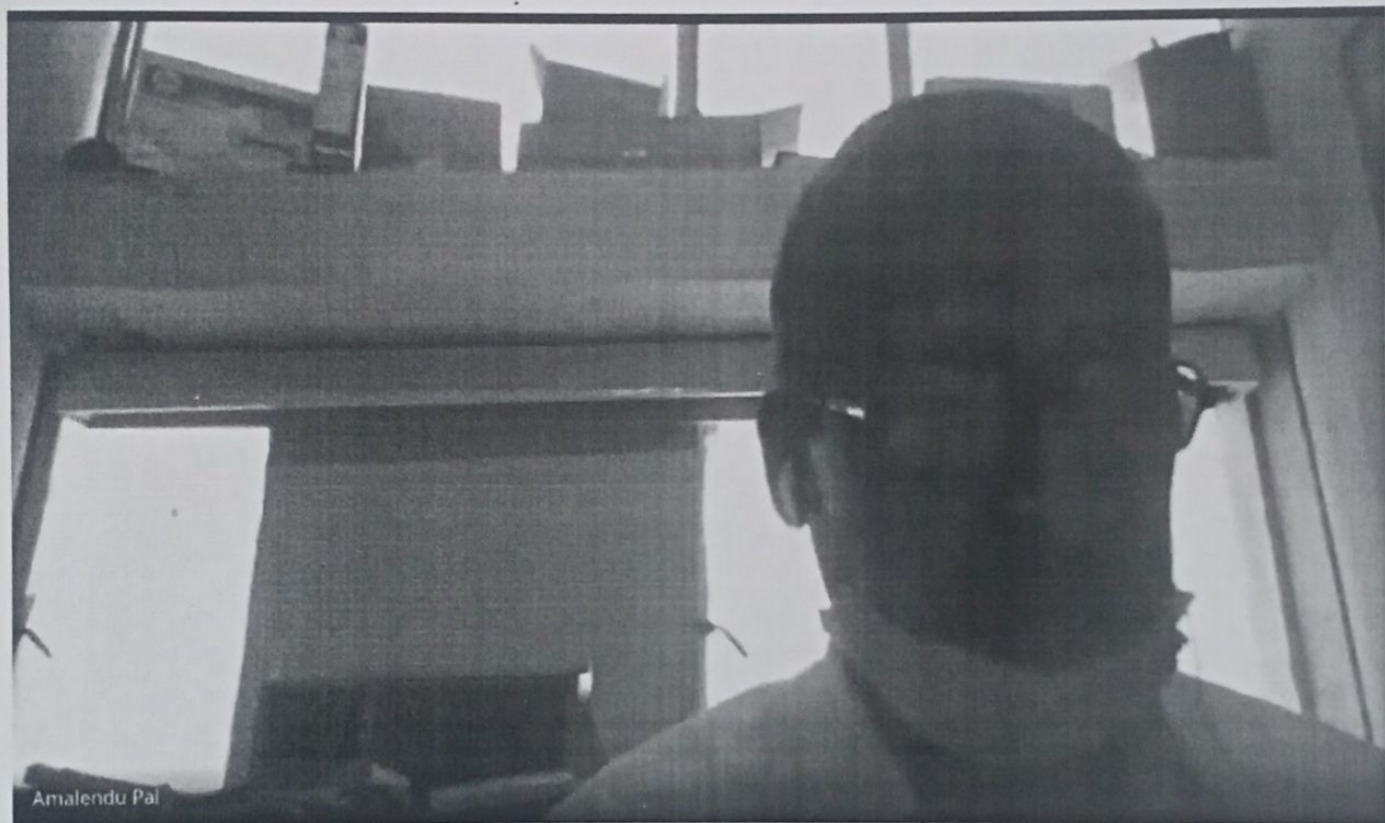
Second Technical session was conducted by Dr. Tarun Kansal. Dr. Bharat Kumar, Department of Physics, NIT, Rourkela, Odisha, Resource person delivered his talk on the new discovery of Neutron stars. He discussed about the moment of inertia of the recently discovered neutron star PSJR 1946 + 2052 based on astrophysical observation rather than the nuclear theory of known mass from a separate tidal deformability measurements.

Dr. Ajay Kumar Arora, Member Organizing Committee, conducted the third technical session. In this session, some of the delegates presented their research papers on different sub theme of webinar.



The valedictory session was conducted by Sh. Suresh Kumar, Co-convener of the webinar. Dr. Amalendu Pal, Prof and Emeritus Scientist, CSIR of KUK was the Chief Guest of Valedictory session. Sh. Suresh Kumar, extended warm welcome to Dr. A. Pal. He shared the C. V. among delegates. Sh. Suresh Kumar shared the webinar report among the delegates. Dr. A. Pal delivered his valuable, informative and inspiring speech. He discussed about the inspiring personalities

related to the field of science and technology like Dr. Ramanujan, J. C. Bose, P. C. Ray etc. He discussed about the necessities and requirements of basic sciences and how to inculcate the interest of science and technology among the students and researchers. He gave the data of good quality research scored by different countries in science and technology.



In the end of the session, Sh. Suresh Kumar delivered vote of thanks to all guests, Resource Persons, Professors, Research Scholars and students for their participation and success of the National Webinar on the behalf of Management, Principal and Staff of Markanda National College Shahabad, Markanda.