Newsletter published by

Computer Society of India
—— Lucknow Chapter ——

TechWings@CsiLko

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Editor   : Mr. Vinay Kumar Johri

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Obituary

The second wave of Covid-19 pandemic in India was devastating. Corona virus claimed many lives in a span of approx 45-60 days. The people who left for their heavenly abode did not belong to any specific religion, cast, creed or age group. This period was so bad that we could feel the helplessness deep in our hearts. We wanted to help and support our near and dear ones but could not do anything and this micro organism turned us into a non-capable and most helpless creature on this planet earth who was destined to sadly see our near and dear ones go.

Somehow we could come out of this serious situation but only after losing many of our family members, relatives, friends, colleagues and IT professionals. At Lucknow Chapter of CSI we also had to go through the same kind of trauma and lost many of our Members, family members and close relatives of our members mostly in the age range of 25 yrs – 60 yrs because of Covid-19 pandemic.

We really are helplessly pained with the losses we had to bear during this period.

We, the CSI family, from the bottom of our hearts, mourn the sad and untimely demise of our near and dear ones. Ultimately what prevails is the wish of Almighty. We pray to the God to grant peace to the departed souls and request our Heavenly Father to take all of them under his loving care and grant them "Moksha". We also pray to the God to grant his solace and courage to the bereaved families to bear this irreparable loss.

Message from Regional Vice-President (Region-1)

Arvind Sharma
Regional Vice-President (Region-1),
Computer Society of India, Mumbai.

Incharge
Dept. of Computer Science,
Lucknow Christian (Degree) College,
Lucknow.

It's really nice to know that the 9th volume of the CSI, Lucknow Chapter News Letter "TechWings@CsiLko" is being published. It had been possible with dedication of the team Lucknow. Shri V.K. Johri ji may be named as the key person in taking the active initiative in this matter and we must be grateful to the efforts he puts in to bring the ideas to physical shape.

The new Management Committee also took off well and regular activities are being organized. Hope very soon we shall be able to move on to offline mode and shall be able to physically meet and interact with each other. A new experiment was done by creating a CSI Family WhatsApp group where the spouses are also allowed to be the member of that group, within no time it has become a very active and vibrant group thereby growing our Lucknow Chapter family.

The positive attitude and active Participation of MC members and Chapter Office Bearers is keeping the Chapter ahead in the Region. The completion of Election process in time and the switching over to new MC smoothly, very clearly indicates the state of affairs at this Chapter. Hats off . . .

In the end I am thankful to the Chapter MC and CSI members who are marching ahead in a positive direction. I am also grateful for the love and blessing showered upon me. My best wishes for the success for this News Letter and the progress of our Lucknow Chapter.

(Arvind Sharma)

Message from Chairman

H.C. GUPTA
Chairman
CSI, Lucknow Chapter
Sr.Manager (Systems)
UPDESCO Ltd.
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M: 9335075944

Dear Members,

All of us are facing difficult situation due to pandemic of Covid-19 in the Country. We need to follow the essential COVID-19 protocols and keep ourselves and our loved ones safe. In such difficult times, CSI Lucknow Chapter is conducting online activities in the form of Webinars.

India is a global leader in Information and Communication Technology and in other cutting-edge domains, such as space.The Digital India Campaign is helping to transform the entire Nation into a digitally empowered society and knowledge economy. While education will play a critical role in this transformation, technology itself will play an important role in the improvement of educational processes and outcomes; thus, the relationship between technology and education at all levels is bi- directional.

New technologies involving Artificial Intelligence, Machine Learning, Block Chains, Smart Boards and Handheld Computing Devices will require extensive research both on the technological as well as educational fronts. Data is a key fuel for AI-based technologies and it is critical to elevate the level of awareness on the issues of privacy, laws and standards associated with data handling and data protection, etc.

The recent rise in epidemics and pandemics necessitates that we are ready with alternative modes of quality education whenever and wherever traditional and in-person modes of education are not possible. In this regard, the National Education Policy 2020 recognizes the importance of leveraging the advantages of technology while acknowledging its potential risks and dangers.

Technology in education is a journey and not a destination and capacity will be needed to orchestrate the various ecosystem players to implement policy objectives. Since technology is rapidly evolving and needs specialists to deliver high quality e-learning, a vibrant ecosystem has to be encouraged to create solutions that not only solve India's challenges of scale, diversity, equity but also evolve in keeping with the rapid changes in technology.

I take this opportunity to request the active support of the CSI members to make the Chapter more dynamic, vibrant and productive and sustainable to achieve the height of excellence.

I am thankful to all past Chairman, Fellow and key members of CSI for supporting me to perform my duties. I hope that the newsletter will be beneficial for the Institutions and CSI members.

With warm regards,

H.C. Gupta
Chairman
CSI, Lucknow Chapter

MessageFrom Immediate Past Chairman

Dr. Pankaj K. Goswami

Editorial Board Member of
TechWings@CsiLko, Newsletter &
Immediate Past Chairman CSI-Lucknow Chapter
goswamipankaj2k1@yahoo.com

Esteemed Members of CSI,

    I am delighted to contribute my sincere efforts towards the publication of the newsletter of the Computer Society of India (CSI) Lucknow Chapter. The newsletters published by CSI Lucknow Chapter,arethe true mirror image of the pathways of technological advancementsalso the reflection of the futuristic computing technologies. It's a platform for showcasing the innovative ideas and happenings at CSI Lucknow, in the multidisciplinary spectrum of contributions of members and other allied resource persons.

    The publication of the newsletter encouragesthe publicationof more practice-based articles, state-of-the-art content, and critical review articles.

    I am grateful to the entire editorial board, and reviewers for their support. Together we would work towards making the newsletter a truly influential publication. Comments, suggestions, and special issue proposals are always welcome.

With best wishes,
Dr. Pankaj K. Goswami
Editorial Board Member of TechWings@CsiLko, Newsletter &
Immediate Past Chairman CSI-Lucknow Chapter

Message from Vice Chairman cum Chairman Elect

Anil Kumar Srivastava
Vice Chairman Cum Chairman Elect
Computer Society of India
Lucknow Chapter

Best wishes to all members for making Computer Society of India, Lucknow Chapter, a front runner and one of the best and active chapters of CSI.

I am thankful to dedicated publication team of Computer Society of India, Lucknow Chapter for publishing quarterly newsletter TechWings@CsiLko. It is a great endeavor to give a technical platform to our computer fraternity to share their views, experiences and expertise for the maximum benefit of the computer professionals. It is the responsibility of CSI members and professionals to contribute through articles, views, suggestions to make the publication a great success.

We are passing through the second wave of corona pandemic. Thanks to technology through which we are still connected through webinars conducted on various topics of the interest of our members. We are updated regularly about various activities conducted by Computer Society of India, Lucknow Chapter through proceedings of the webinars and activities published in TechWings@CsiLko.

I extend my best wishes to editorial board of TechWings@CsiLko, Management committee and all the members of Computer Society of India, Lucknow Chapter who are contributing to make this publication successful.

Anil Kumar Srivastava
Vice Chairman Cum Chairman Elect
Computer Society of India
Lucknow Chapter

Message from Hon. Secretary

Vinay Kumar Johri
Hon. Secretary
CSI Lucknow Chapter
Chief Manager (Systems) Retired
State Bank of India
Lucknow
(M) 8795824318 / 6307663524
eMail : secretary@csi-lko.org
Alternate eMail : vinay030207@yahoo.co.in

Dear Friends,

With immense pleasure, I welcome all CSI Members and their Families and thank you all for your active participation in the Online events and Computer Awareness cum Family Get Together held during the Year 2020-2021 and extending your kind cooperation and support which encouraged and motivated me to perform my duties as Hon. Secretary of Computer Society of India, Lucknow Chapter.

2. During the past year, keeping in view of the prevailing pandemic situation, CSI Lucknow Chapter regularly organized Seminars through Online Mode and remain connected with its Members and others by inviting eminent Speakers from different walk of Life to enrich us with sharing of their valuable Knowledge to motivate us. Our Lucknow Chapter also organized Competitions for CSI Members and their Families including Kids in the family. The CSI and non-CSI Participants actively participated in all the events.

3. I am thankful to all and Seniors also who always extended their guidance and support in smooth execution of the events. Thanks to the Management Committee & Nomination Committee of the Year 2020-21 for their guidance and support. I also thank Mr. Rakesh Puri Sahab for conceptualizing and implementing various Online and Offline Competitions in whose preparations his entire family was involved and contributed a lot. A Special mention of Thanks to Ms. Kamakshi Puri, happens to be the Youngest Member of CSI Lucknow Chapter, for her concerted efforts and keen interest playing the role of Master of Ceremony in various Online Webinars and Computer Awareness and Family Get Together held in Hotel Vista. I welcome and extend my best wishes to all Members and Management Committee & Nomination Committee CSI Lucknow Chapter for 2021-2022 and am sure that the same kind of cooperation, guidance and support will be available to the Chapter.

4. We have come out with 9th Volume of Newsletter **TechWings@CsiLko** being published by Computer Society of India Lucknow Chapter covering the events held from April 2021 to June 2021. During this year, Chapter started its Wellness Series too apart from the Technical Sessions under which Webinars beneficial to non-technical participants also were organized including Celebration of International Yoga Day on 21st June 2021 in which Photos doing Yoga Asans by CSI Members and their families were invited to commemorate the special day and the Members and their Children actively participated.

5. With these words, I request all to please take good care of yourself, your family and acquaintance and every one in the Society by following Social Distance, wearing Mask, maintaining hygiene and sanitisation.

Warm Regards,
Vinay Kumar Johri
Hon. Secretary
CSI Lucknow Chapter

Computer Society of India Lucknow Chapter
Management Committee 2021-22

Mr. Harish Chandra Gupta	**Mr. Anil Kumar Srivastava**	**Mr. Vinay Kumar Johri**	**Mr. Nafisul H. Kidwai**	**Dr. Pankaj K. Goswami**
Chairman	Vice Chairman cum Chairman Elect	Hon. Secretary	Hon. Treasurer	Imm. Past Chairman

Mr. Vinod Shankar Tripathi	**Dr. Ranjana Rajnish**	**Dr. Santosh Kumar**	**Mr. Balendu Jaiswal**
Member	**Member**	**Member**	**Member**

Nomination Committee 2021-22

Mr. Rakesh Puri	**Mr. G.P.Singh**	**Mr. Mukul Saxena**
Nomination Committee	Nomination Committee	Nomination Committee

Webinar on Surviving Through Pandemic under Wellness Series Organized by Computer Society of India Lucknow Chapter on 22nd May 2021

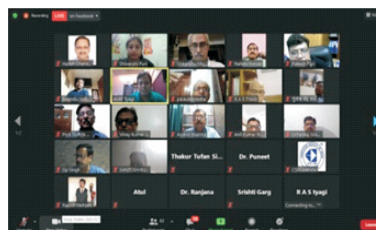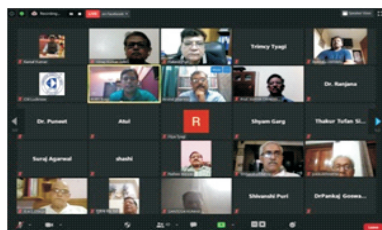**Reported by : Mr. Harish Chandra Gupta, Ms. Shivanshi Puri & Mr. Vinay Kumar Johri**

A Webinar on Surviving through Pandemic was organized by Computer Society of India, Lucknow Chapter under its Wellness Series on 22nd May 2021 through Zoom platform. The Guest Speaker of the webinar was Dr. Amit Tyagi, MBBS, DNB, Anasthesiology, Senior Specialist, Anasthesiology and Critical Care Medicine, Chandan Hospital, Lucknow.

The Moderator of the Webinar Mr. Vinay Kumar Johri requested all the participants present to observe one Minute Silence as a mark of Respect to CSI Members or their Family Members who lost their battle due to COVID-19 or other ailments.

Mr. Harish Chandra Gupta, Chairman CSI Lucknow Chapter welcomed the invited Guest Speaker Dr. Amit Tyagi and all the participants and briefed about the Chapter and its activities, followed by the address by the Chief Guest Prof. A. K. Nayak & Mr. Arvind Sharma, Regional Vice President- Region 1 (2019-2021).

Dr. Tyagi covered various Challenges in this pandemic. What is this Virus, how does it infect, how to prevent, how to do home care, how to treat, When to be ready for Hospital care, Concerns during hospital stay, What to do after hospital discharge, What is post covid syndrome, preparedness for next, etc.

The participants patiently listened to Dr. Tyagi who expressed the complex subject in a very simple and effective way. Dr. Tyagi was very clear about the subject and he answered all the queries raised by the participants at the end of the session. The Question Answer session was handled by Dr. Ranjana Rajnish. Vote of Thanks was presented by Dr. Pankaj K. Goswami, immediate past Chairman of the Chapter. Mr. Vinod Shankar Tripathi extended Technical support during the Webinar.

Webinar on Recent Challenges in Digital Forensics Organized by Computer Society of India Lucknow Chapter on 05th June 2021

Reported by : Mr. Harish Chandra Gupta & Dr. Ranjana Rajnish
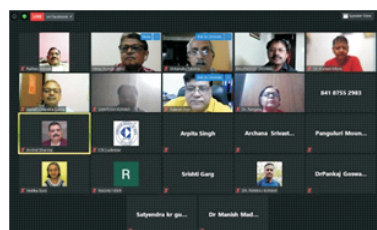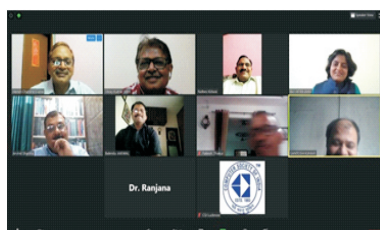
A Webinar on Recent Challenges in Digital Forensics was organized by Computer Society of India, Lucknow Chapter on 05th June 2021 through Zoom platform. The Guest Speaker of the webinar was Dr. Nilu Singh, Associate Professor, Department of Computer Science & Engineering, Koneru Lakshmaiah Education Foundation (K.L.E.F.), Deemed to be University, Guntur (A.P.)

The Moderator of the Webinar Dr. Ranjana Rajnish started the proceedings of the Webinar.

Mr. Harish Chandra Gupta, Chairman CSI Lucknow Chapter welcomed the invited Guest Speaker Dr. Nilu Singh and all the participants and briefed about the Chapter and its activities, followed by the address by Mr. Arvind Sharma, Regional Vice President- Region 1 (2019-2021).

Dr. Nilu Singh covered Digital Forensics, the art of Cyber Archaeology, its introduction, types & history of Digital Forensics, Digital Forensic Lifecycle starting from Forensic Request, Obtaining and Imaging, Preparation and Extraction, Identification, Analysis to Forensic Reporting. Process of Digital Forensics, Devices Identification, Types of Investigations, Uses of Digital Forensics in Law Enforcement, Private Organizations or Computer Security and IT Professionals, Military & Academia and various other areas, Various Challenges, Digital Forensic Principles etc. were also covered by Dr. Singh in her discussions.

The participants expressed that the session delivered by Dr. Nilu Singh was very easy to understand and very informative. Dr. Singh answered all the queries raised by the participants at the end of the session. The Question Answer session was handled by Mr. Balendu Jaiswal. Vote of Thanks was presented by Mr.Vinay Kumar Johri, Hon. Secretary of the Chapter. Mr. Vinod Shankar Tripathi extended Technical support during the Webinar.

Webinar on Outcome Based Education Organized by Computer Society of India Lucknow Chapter on 19th June 2021

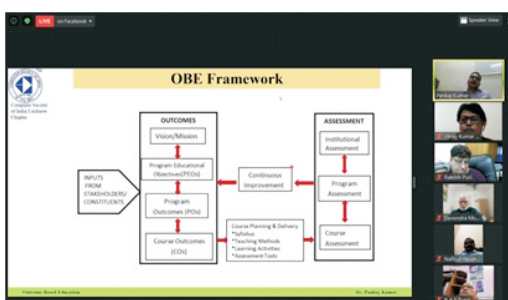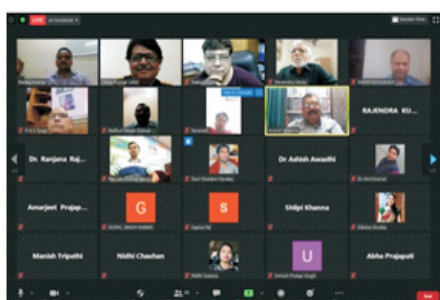### Reported by : Mr. Harish Chandra Gupta & Mr. Vinay Kumar Johri

A Webinar on Outcome Based Education (OBE) was organized by Computer Society of India, Lucknow Chapter on 19th June 2021 through Zoom platform. The Guest Speaker of the webinar was Dr. Pankaj Kumar, Associate Professor, Department of Computer Science & Engineering, Shri Ramswaroop Memorial Group of Professional Colleges, Lucknow.

The Moderator of the Webinar Mr. Vinay Kumar Johri started the Webinar proceedings.

Mr. Harish Chandra Gupta, Chairman CSI Lucknow Chapter welcomed the invited Guest Speaker Dr. Pankaj Kumar and all the participants and briefed about the Chapter and its activities.

Dr. Pankaj Kumar covered all about What is OBE, Components of OBE, Assessment & Attainment process of OBE, Issues in Education, Traditional Education System, Principles of OBE, Origin of OBE, Components of OBE viz. Vision, Mission, PEO (Program Educational Objectives), PO (Program Outcome), PSO (Program Specific Outcome), CO (Course Outcome), Bloom's Taxonomy. He described in detail the Assessment, Assessment/CO Attainment, PO/PSO Attainment through Direct and Indirect Methods, OBE Framework etc.

The participants praised that Dr. Pankaj Kumar explained the Complex subject in a very easy to understand way. He was very clear in his expressions and the session is very useful for the participants. Dr. Pankaj Kumar answered all the queries raised by the participants at the end of the session. The Question Answer session was handled by Santosh Kumar. Vote of Thanks was presented by Mr. Arvind Sharma, Reginal Vice President – Region 1 (2019-2021). Mr. Vinod Shankar Tripathi extended Technical support during the Webinar.

Webinar on International Yoga Day under Wellness Series Organized by Computer Society of India Lucknow Chapter on 21st June 2021

Reported by : Mr. Harish Chandra Gupta, Ms. Shivanshi Puri & Mr. Vinay Kumar Johri

A Webinar on International Yoga Day was organized by Computer Society of India, Lucknow Chapter under its Wellness Series on 21st June 2021 through Zoom platform. The Guest Speaker of the webinar was Ms. Raj Smriti, FolkTales Incorporation.
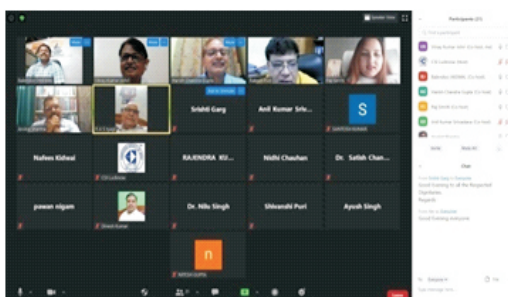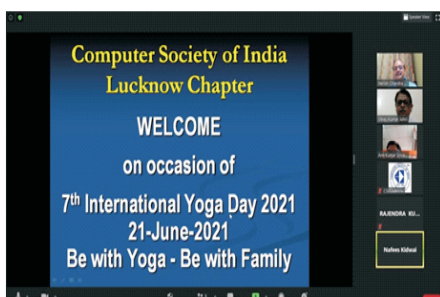
The Celebration of International Yoga Day started from the Morning Session on 21st June 2021 in which all the CSI Members and their families were invited to participate by sending their Photos doing Yoga Asana and sharing in the WhatsApp Groups of CSI Lucknow Chapter & its Family Group. CSI Members and their families actively participated in the Celebration and photos of younger Kids as well as Adults were shared by them.

The Online Webinar started in the evening session on 21st June 2021 wherein the Moderator of the Webinar Mr. Vinay Kumar Johri started the proceedings and advised that the photos of morning celebration will be presented in the form of a Power Point Presentation which has been prepared by Mr. Rakesh Puri and Ms. Shivanshi Puri by collating all the photos received.
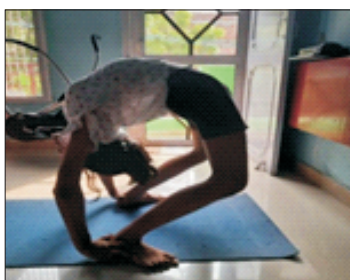
Mr. Harish Chandra Gupta, Chairman CSI Lucknow Chapter welcomed the invited Guest Speaker Ms. Raj Smriti and all the participants on the occasion of 7th International Yoga Day on 21st June 2021 **Be with Yoga Be with Family**. He briefed about activities of Lucknow Chapter of Computer Society of India and presented the Slide show of various Yoga Asans done by our CSI Members and their families including the Kids.

Ms. Raj Smriti, the Guest Speaker explained What is Yoga, Benefits of Yoga & Meditation, Concept & Types of Yogic Practices, Importance of Yoga, General Benefits of Yoga Practices, Various poses etc. Ms. Smriti was very clear in her expressions and explained Yoga in a very easy and effective way. She answered all the queries raised by the participants at the end of the session.

Vote of Thanks was presented by Dr. Pankaj K. Goswami, immediate past Chairman of the Chapter. Mr. Vinod Shankar Tripathi extended Technical support during the Webinar.

Some Glimpses of Yoga Celebrations by CSI Members & their Families

Winners of Best 3 Yoga Photographs for Kids :

Title	Name Of The Winner
Miss	Vidushi Tiwari
Miss	Shivanshi Shankar
Miss	Vedika Soni

Winners of Best 3 Yoga Photographs for Adults :

Title	Name Of The Winner
Miss	Shivanshi Puri
Mr.	Devendra Mody
Er.	Shubham Gupta

Webinar on Intellectual Property Rights (IPR) Organized by Computer Society of India Lucknow Chapter on 26th June 2021

Reported by: Mr. Harish Chandra Gupta & Dr. Santosh Kumar

A Webinar on Intellectual Property Rights (IPR) was organized by Computer Society of India, Lucknow Chapter on 26th June 2021 through Zoom platform. The Guest Speaker of the webinar was Dr. Sandeep Kumar Nayak, Associate Professor, Department of Computer Application, Integral University, Uttar Pradesh, Lucknow.
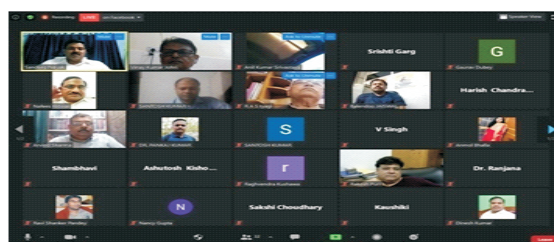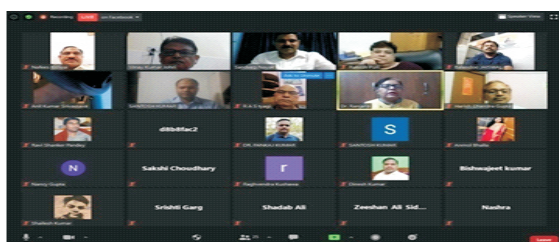
The Moderator of the Webinar Dr. Santosh Kumar started the proceedings of the Webinar.

Mr. Harish Chandra Gupta, Chairman CSI Lucknow Chapter welcomed the invited Guest Speaker Dr. Sandeep Kumar Nayak and all the participants and briefed about the Chapter and its activities, followed by the address by Mr. Arvind Sharma, Regional Vice President- Region 1 (2019-2021).

Dr. Sandeep Kumar Nayak covered the definition of IPR, types of IPR etc. during his session. He explained Trade Mark, Patent, Copyright, Neighbouring Right, Integrated Circuit Design, Industrial Design, Geographical Indication, Trade Secret etc, in detail and depth and their various aspects related to IPR.

Dr. Nayak expressed his views in a very easy to understand way and his session was very informative. Dr. Nayak answered all the queries raised by the participants at the end of the session. The Question Answer session was handled by Mr. Balendu Jaiswal.

Vote of Thanks was presented by Dr. Ranjana Rajnish, Managing Committee Member of the Chapter. Mr. Vinod Shankar Tripathi extended Technical support during the Webinar.

Journey of News Letter (TechWings@CsiLko) of CSI Lucknow Chapter

Volume	Date	Editor-in-Chife	Editor	Editorial Bord
CSI/LKO/Vol-1	30-09-2019	G.P. Singh	PAWAN KUMAR NIGAM	. Dr. Pankaj Kumar Goswami . Rakesh Puri . Gulab Chandra . Dr. Amitabha Yadav . Kamal Kumar . Nafisul Hasan Kidwadi . Vinay Kumar Johri
CSI/LKO/Vol-2	31-12-2019	G.P. Singh	PAWAN KUMAR NIGAM	
CSI/LKO/Vol-3	31-03-2020	G.P. Singh	PAWAN KUMAR NIGAM	
CSI/LKO/Vol-4	31-06-2020	Dr. Pankaj K. Goswami	Vinay Kumar Johri	. Harish Chandra Gupta . GP Singh . Gulab Chandra . Dr. Puneet Misra . Pawan Kumar Nigam . Vinod Shankar Tripathi . Ms. Shivani Puri
CSI/LKO/Vol-5	30-09-2020	Dr. Pankaj K. Goswami	Vinay Kumar Johri	
CSI/LKO/Vol-6	01-01-2021	Dr. Pankaj K. Goswami	Vinay Kumar Johri	
CSI/LKO/Vol-7	01-02-2021	Dr. Pankaj K. Goswami	Vinay Kumar Johri	
CSI/LKO/Vol-8	31-03-2021	Dr. Pankaj K. Goswami	Vinay Kumar Johri	
CSI/LKO/Vol-9	30-06-2021	Harish Chandra Gupta	Vinay Kumar Johri	. Anil Kumar Srivastava . Dr. Pankaj K. Goswami . Nafisul Hasan Kidwadi . Dr. Ranjana Rajnish . Vinod Shankar Tripathi . Dr. Santosh Kumar . Balendu Jaiswal

This marker is the beginning of the next newsletter, rather than the end.